BLAZE

BLAZE CATALOGUE



BLAZE PP-R PIPES AND FITTINGS

ENGINEERED FOR DURABILITY. TRUSTED FOR PERFORMANCE.

PRECISION YOU CAN TRUST

www.blaze-tech.co.uk

BLAZE PP-R PIPES AND FITTINGS

ENGINEERED FOR DURABILITY. TRUSTED FOR PERFORMANCE.

At BLAZE, we offer a comprehensive range of PP-R (Polypropylene Random Copolymer) Pipes and Fittings, ideal for hot and cold water systems, HVAC installations, and industrial fluid transport.
Our PP-R solutions are manufactured using premium raw materials and advanced production technologies to ensure:

- Corrosion and Chemical Resistance
- High Pressure and Temperature Tolerance
- Long Service Life – Over 50 Years
- Leak-Proof Fusion Welding System
- Safe for Potable Water – Non-toxic & Hygienic

Available Sizes: 20mm to 160mm
Pressure Ratings: PN10, PN16, PN20, PN25
Applications:

- Potable Water Supply
- Chilled and Hot Water Systems
- Compressed Air Lines
- Chemical Transport

WHY CHOOSE BLAZE PP-R?

Whether it's residential plumbing, commercial infrastructure, or industrial piping networks, BLAZE PP-R systems offer a robust, energy-efficient, and low-maintenance solution.

- Precision Molded Fittings
- Smooth Inner Walls – Reduced Friction Loss
- Green Technology – Environmentally Friendly
- Conforms to International Standards (ISO 15874/DIN 8077/8078)
- WRAS Certified for Drinking Water Applications – Complies with UK Water
- Fittings Regulations

HONOUR CERTIFICATES

At BLAZE , quality and compliance are at the heart of everything we do. We ensure our products meet international standards for safety, reliability, and performance.

ISO 9001:2015

Quality Management System Demonstrates our commitment to consistent quality, customer satisfaction, and continuous improvement.

WRAS Approval - UK

Confirms that our valves and fittings comply with the Water Regulations Advisory Scheme, making them suitable for use in potable (drinking) water applications. These certifications reflect our dedication to delivering trusted products for plumbing, HVAC, and water management systems worldwide



SYSTEM CERTIFICATION SERVICES

CERTIFICATE OF REGISTRATION

This is to certify that

BLAZETECH SYSTEMS LTD

Integer Millennium House, Bucknalls Lane, WD25 9XX ,Watford, United Kingdom.

has been approved by the governing board of System Certification Services to the following Quality Management System Standard

ISO 9001:2015

The Quality Management System is applicable to:

Manufacturing and Supply Management of Valves, Piping Fittings, and Complete Fire Protection, Detection and Suppression Systems.

Certification No:	Initial certification date:	Valid:
SCS-1800110497	21-07-2025	20-07-2028

Certification Manager
System Certification Services

Accredited by:
ASIB (Europe) Limited
138 City Road, London, United Kingdom, EC1V 2NX



WRAS APPROVED MATERIAL

Approval Number 240455069
Test Report: J-00486963

Water Regulations Approval Scheme Ltd.
Unit 13,
Willow Road,
Pen y Fan Industrial Estate,
Crumlin,
Gwent,
NP11 4EG

4th August 2025

Blazetech Systems Ltd.
Integer Millennium House,
Bucknalls Lane,
Watford,
United Kingdom
WD25 9XX

WATER REGULATIONS APPROVAL SCHEME LTD. (WRAS)
MATERIAL APPROVAL

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6920-1:2014 'Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water'.

The reference relates solely to its effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

POLYPROPYLENE. COMPONENTS. **5260**

'BLAZE PPR01'. Green coloured (with red external stripe), extruded polypropylene pipe. For use with water up to 80°C.

APPROVAL NUMBER: 240455069
APPROVAL HOLDER: BLAZETECH SYSTEMS LTD.

The Scheme reserves the right to review approval.
Approval 240455069 is valid between April 2024 and April 2029

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, 'Materials which have passed full tests of effect on water quality'.

The Directory may be found at: www.wrasapprovals.co.uk/approvals-directory/

Yours Faithfully

Ian Hughes
WRAS Approvals Manager

QUALITY CONTROL

At BLAZE , quality is at the core of everything we do. We are committed to delivering reliable, safe, and high-performance products that meet international standards and exceed customer expectations.

Commitment to Excellence

Every product is manufactured under strict quality management systems, with continuous innovation and improvement.

Customer Satisfaction

Our mission is to provide products that ensure trust, performance, and long-term value for our customers.

Certified Assurance

Backed by ISO 9001 certification and WRAS aPP-Roval, our quality system ensures consistency from raw material selection to final product testing



BLAZE PP-R PIPE

BLAZE PP-R pipes are manufactured using 100% imported premium raw materials sourced from leading global suppliers. With stringent quality control measures at every stage of production, our pipes are designed to eliminate the risks of leaks, bursts, bacterial growth, and scaling inside the pipes ensuring clean, safe, and hygienic water delivery without secondary contamination



Contrast of Property for Some Pipe Systems

The Blaze PP-R pipe system offers a range of benefits, including:

Property / Pipe Style	G.I. Pipe	Copper Pipe	UPVC Pipe	CPVC Pipe	Pex-Al-Pex Pipe	PB Pipe	Blaze PP-R Pipe
Service Life	5–10 years	50 year	30 year	50 year	50 year	50 year	50 year
Resistance to High Temperature	Good	Good	Bad	Good	Good	Good	Good
Hygienic Property	Bad	Common	Bad	Common	Good	Good	Good
Recyclable & No Pollution	No	No	No	No	Yes	Yes	Yes
Pipe Furring	Yes	Yes	No	No	No	No	No
Corrosion Resistance	Bad	Bad	Good	Good	Good	Good	Good
Installation	Difficult	Difficult	Easy	Easy	Easy	Easy	Easy
Price	Low	High	Low	High	High	High	High
Reliability	Common	Common	Common	Common	Common	Common	Common

BLAZE PP-R PIPES

Property of Material

The BLAZE PP-R Pipe system is engineered from one of the world's finest PP-R raw materials, renowned for its outstanding physical and chemical properties. Key features include:

- Superior Heat Resistance: Capable of withstanding constant operating temperatures up to 70°C for more than 50 years under specified pressure conditions.
- Thermal Shock Tolerance: Handles peak temperatures up to 100°C during short-term disruptions without compromising system integrity.
- Hygienic & Corrosion-Free: Prevents bacterial growth, scaling, and contamination for safe potable water transport.
- Rigorous Quality Testing: Raw material granules undergo comprehensive laboratory testing before processing to ensure consistent performance and durability.



Property	Test Method	Unit	Value
Viscosity Number J	ISO 1628 T3	cm^3/g	430
Melt Flow Rate (MFR 190°C)	ISO1133 Condition 18	g/10min	0.30
Melt Flow Rate (MFR 230°C, 16 kg)	ISO1133 Condition 12	g/10min	0.85
Density at 23°C	ISO 1183	g/cm^3	0.905
Flexural Modulus	ASTM D790	MPa	800
Tensile Stress at Yield	ISO 37	MPa	25
Tensile Strength at Break	ISO 37	MPa	30
Elongation at Break	ISO 37	%	800
Impact Strength (Charpy) at 23°C	ISO 179/1eU	KJ/m^2	No failure
Impact Strength (Charpy) at 0°C	ISO 179/1eU	KJ/m^2	No failure
Notched Impact Strength (Charpy) at 23°C	ISO 179/1eA	KJ/m^2	15
Ball Indentation Hardness	ISO 2039 T1/132N	MPa	4.5
Coefficient of Linear Thermal Expansion	VDE 0304 Part 1 Sec. 4	1.5×10^{-4}	-
Thermal Conductivity at 20°C	DIN 52612	W/m·K	0.24
Specific Heat at 20°C	Adiabatic calorimeter	KJ/kg·K	2.0
Vicat Softening Temperature at 10N	ISO 306/A	°C	130
Vicat Softening Temperature at 50N	ISO 306/B	°C	61

BLAZE PP-R PIPE

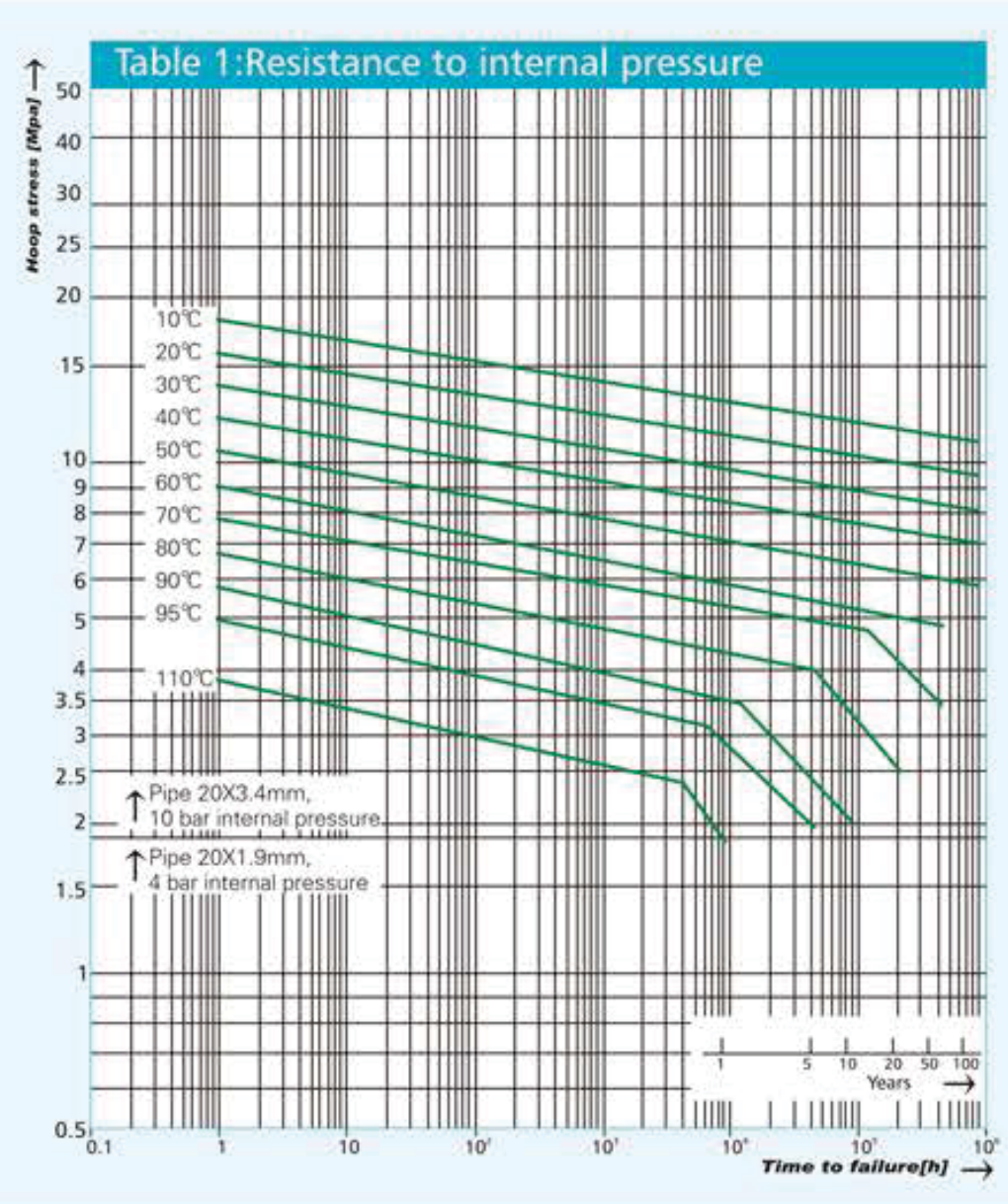
Hydrostatic Pressure Performance

Normally service life of pipes can reach at least 50 years. Service life is determined by three factors: Constant working temperature, constant working pressure, and a safe factor.

$\sigma = \frac{P(de - e)}{2e}$ $\sigma = \frac{P(de - e)}{2e}$ $\sigma = \frac{P(de - e)}{2e}$

- P = internal pressure (MPa)
- de = external diameter of pipe (mm)
- e = wall thickness of pipe (mm)

We create a Time-Loop stress graph for BLAZE pipes by testing them under various temperatures and pressures to achieve optimal conditions for a long service life.



BLAZE PP-R PIPE

Permissible Working Pressure

The table below offers detailed information on the permissible pressure for various pipe pressure ratings at different temperatures. These values are calculated using the hoop stress chart and formula.

Under typical working pressures and conditions, the average service life of Blaze pipes is expected to exceed 50 years.

Water Type	Working Pressure (bar)	Temperature (°C)	Working Time / Year (Hours / Year)
Cold Water	0 to 10 transient	To ≤ 25°C	8760
Hot Water	0 to 10 transient	To ≤ 60°C	8710
	ISO1133 Condition 12	To ≤ 80°C	50

Temperature	Service Life	FOR POTABLE WATER INSTALLATIONS			
		SDR 11	SDR 9	SDR 7.4	SDR 6
		Nominal Pressure			
		PN 10	PN 12.5	PN 16	PN 20
		Permissible Working Pressure			
20°C	1	15.0	18.9	23.8	30.0
	5	14.1	17.8	22.3	28.1
	10	13.7	17.3	21.7	27.3
	25	13.3	16.7	21.1	26.5
	50	12.9	15.9	20.4	25.7
30°C	1	12.8	16.2	20.2	25.5
	5	12.0	15.1	19.0	23.9
	10	11.6	14.7	18.3	23.1
	25	11.2	14.2	17.7	22.3
	50	10.9	13.8	17.3	21.8
40°C	1	10.8	13.6	17.1	21.5
	5	10.1	12.8	16.0	20.2
	10	9.8	12.4	15.6	19.6
	25	9.4	11.9	15.0	18.8
	50	9.2	11.5	14.5	18.3
50°C	1	9.2	10.8	14.5	18.3
	5	8.5	10.6	13.5	17.0
	10	8.2	10.5	13.1	16.5
	25	8.0	10.1	12.6	15.9
	50	7.7	9.8	12.2	15.4
60°C	1	-	-	12.2	15.4
	5	-	-	11.4	14.3
	10	-	-	11.0	13.8
	25	-	-	10.5	13.3
	50	-	-	10.1	12.7
65°C	1	-	-	11.9	14.9
	5	-	-	10.8	13.5
	10	-	-	10.0	12.6
	25	-	-	8.5	10.7
	50	-	-	7.2	10.2
70°C	1	-	-	10.3	13.0
	5	-	-	9.5	11.0
	10	-	-	9.3	11.7
	25	-	-	8.0	10.1
	30	-	-	7.0	8.8
	50	-	-	6.7	8.5
75°C	1	-	-	9.9	12.3
	5	-	-	8.6	10.7
	10	-	-	7.5	9.3
	25	-	-	6.1	7.5

For Heating Pipes (fluid transported:water)

Heating Period	Temperature	SDR 9	Safety-factor=1.25	
			SDR 7.4	SDR 6
			Nominal Pressure	
			PN 16	PN 20
temperature 70°C including30 days per year at	75°C	5	11.33	14,27
		10	10.95	13.79
		25	9.32	11.74
		45	8.08	10.18
	80°C	5	10.72	13.50
		10	10.16	12.80
		25	8.84	11.14
		42.5	7.77	9.79
	85°C	5	9.85	12.42
		10	9.42	11.87
		25	8.05	10.14
		37.5	7.29	9.18
	90 °C	5	9.04	11.39
		10	8.68	10.94
		25	7.03	8.86
		35	6.48	8.16
Constant operating temperature 70°C including 30 days per year	75°C	5	11.20	14.11
		10	10.77	13.57
		25	9.19	11.58
		45	7.97	10.05
	80°C	5	70.41	13.12
		10	9.96	12.54
		25	8.38	10.56
		40	7.47	9.41
	85°C	5	9.55	12.03
		10	9.14	11.52
		25	7.31	9.22
		35	6.73	8.48
	90°C	5	8.76	11.04
		10	7.75	9.76
		25	6.20	7.81
		30	5.92	7.46
Constant operating temperature 70°C including 90 days per year	75°C	5	11.12	14.02
		10	10.62	13.38
		25	8.99	11.33
		45	7.80	9.82
	80°C	5	10.23	12.90
		10	9.80	12.35
		25	7.97	10.05
		37.5	7.21	9.09
	85°C	5	9.37	11.81
		10	8.51	10.72
		25	6.81	8.58
		32.5	6.37	8.03
	90°C	5	8.41	10.59
		10	7.11	8.96
		25	5.69	7.17

HYGIENE & HEALTH CONCERNS

BLAZE PP-R products are designed with strict adherence to health and safety standards, ensuring the highest quality for potable water applications. Our pipes and fittings comply with the following international standards and certifications:

- IN1988 T2---Portable Water Supply System, Material, Ingredient,Application, Design, Installation
- DIN2999---Rules for Fittings with Threaded Metallic Inserts
- IS09001---International Quality Management System
- ISO15874-2 Polypropylene (PP) Pipes
- ISO15874-3 Polypropylene (PP) Fittings
- DIN8078---PP-R Pipes, Quality Requirement and General Testing Description
- DIN16962---Connection of PP-R Pipes and Fittings

Material Technology

- PP-R CT Material: Made from premium-grade polypropylene random copolymer (PP-R CT) with enhanced crystalline structure for superior temperature resistance and durability.
- Double-layer PP-R: Innovative antibacterial inner layer combined with high-strength outer layer for hygienic and environmentally friendly water supply systems.
- UV Resistance: For outdoor installations exposed to sunlight, UV-protected PP-R pipes or additional UV-resistant foam insulation is recommended to ensure long-term durability.
- Fire Safety Classification: BLAZE PP-R pipes comply with DIN4102 fire classification B2 (Normally Inflammable). In case of fire, only carbon dioxide and water vapour are released—no toxic fumes or dioxins.
- Sound Insulation: Unlike metal pipes, BLAZE PP-R pipes significantly reduce water flow noise and water hammer effects, ensuring a quieter plumbing system.

Reliable, Hygienic & High-Performance Piping Solutions

At BLAZE, we deliver advanced piping systems engineered for durability, safety, and efficiency. Our Polypropylene Random Copolymer (PP-R) pipes are designed to meet the diverse needs of modern plumbing, HVAC, and industrial applications.

Manufactured from premium PP-R (Type 3) raw materials and tested to international standards (DIN 8077/8078, ISO 15874, BS EN ISO 15874), BLAZE PP-R pipes ensure long-lasting performance, superior flow properties, and safe transportation of hot and cold water, including potable water systems.

With WRAS APP-Roval, our pipes are certified for hygienic use in drinking water applications, making them a trusted choice for residential, commercial, and industrial projects worldwide.

Our Product Range

PP-R Pipes – Cold Water Series (PN10 & PN12.5):
Designed for low-pressure cold-water distribution, offering an economical yet durable solution.

PP-R Pipes – Cold & Hot Water Series (PN16 & PN20)
Suitable for both cold and hot water systems with high pressure resistance and long service life.

PP-R Pipes – Aluminium Composite Series (PN16 & PN20)
multi-layer construction with aluminium core for reduced thermal expansion and higher rigidity.

PP-R Pipes – Fiber Composite Series (PN16 & PN20)
Triple-layer pipes with fiber reinforcement, minimizing thermal expansion and improving dimensional stability.

PP-R Pipes – CT Series (PN16 & PN20)
Advanced crystalline technology for superior pressure resistance, higher temperature endurance, and longer service life.

STANDARDS & REGULATIONS

The BLAZE PP-R Pipe System is manufactured in compliance with leading international standards to ensure safety, performance, and reliability for potable water and heating applications.

DIN 1988	Drinking Water Supply Systems
DIN 8077	Polypropylene Pipes: Dimensions
DIN 8078	Polypropylene Pipes: Testing Methods
DIN 16962	Polypropylene Pipes: Quality Control and Connections
DIN 16928	Thermostatic Pipes: Pipe Constructions
DIN 4109	Sound insulation in Building Constructions
DIN 8076	Metal Threaded Joints Testing Method
DIN 2999	Rules for Fittings with Threaded Metallic Inserts
DVS 2206	Regulations for for the Welding of Thermostatic Material
DVS 207	Welding of Thermoplastic Materials by means of Heating Tools
ISO9001-2000	International Quality Management System
IS015874-2	Polypropylene (PP) Pipes
I5015874-3	Polypropylene (PP) Fittings

Strict Inspection & Testing

At BLAZE, quality assurance is integral at every stage of production. Quality control covers three phases:

- Incoming Raw Materials - All raw materials undergo stringent testing before processing.
- Production Stage - Continuous inspection during extrusion, molding, and finishing.
- Finished Products - Final inspection and batch testing before packaging.

Our testing procedures include:

- Melt Flow Rate Testing
- Dimensional Accuracy Checks
- Surface & Visual Inspection
- Impact Strength Testing
- Long-Term Hydrostatic Pressure Testing
- Thermal Cycling & Aging Resistance Testing
- Longitudinal Reversion Testing
- Hygienic Inspection for Potable Water Safety

This comprehensive testing ensures BLAZE PP-R pipes and fittings deliver consistent performance, durability, and reliability across all applications.

Key Features & Benefits

- WRAS Certified – safe for potable water applications
- High Temperature Resistance – continuous use up to 95°C (peak up to 110°C)
- High Pressure Performance – available in PN10, PN12.5, PN16, and PN20 classes
- Low Thermal Expansion – enhanced with composite and CT series options
- Corrosion & Scale Resistant – ensuring clean water flow and reduced maintenance
- Leak-Proof Joints – achieved through fusion welding for 100% reliability
- Long Service Life – designed for up to 50 years under normal conditions

Applications

- Potable Hot & Cold Water Distribution
- Heating & Chilled Water Networks
- HVAC Installations
- Industrial Fluids & Compressed Air Systems
- Agriculture & Irrigation Networks



BLAZE PP-R PIPE SERIES

COLD WATER SERIES (PN10 & PN12.5)

PP-R COLD WATER PIPE PN10
Model No-BT 3020
Pipe Series :PP_R SDR 11 / S5 / PN 10
Color:Green
Length:4m straight length



PP-R COLD WATER PIPE PN10					
Ordering Code	Pipe Dimension	Package Unit	Diameter	Thickness	Internal Diameter
			d	s	d
3020-020-PN10	20mm	160m	20mm	2.0mm	16.2mm
3020-025-PN10	25mm	100m	25mm	2.3mm	20.4mm
3020-032-PN10	32mm	60m	32mm	2.9mm	26.0mm
3020-040-PN10	40mm	40m	40mm	3.7mm	32.6mm
3020-050-PN10	50mm	28m	50mm	4.6mm	40.8mm
3020-063-PN10	63mm	16m	63mm	5.8mm	51.4mm
3020-075-PN10	75mm	8m	75mm	6.8mm	61.2mm
3020-090-PN10	90mm	4m	90mm	8.2mm	73.6mm
3020-110-PN10	110mm	4m	110mm	10.0mm	90.0mm
3020-160-PN10	160mm	4m	160mm	14.6mm	130.8mm

PP-R COLD WATER PIPE PN12.5
Model No-BT 3021
Pipe Series: PP_R SDR 9/S4/PN 12.5
Colour: Green
Length:4m straight length



PP-R COLD WATER PIPE PN12.5					
Ordering Code	Pipe Dimension	Package Unit	Diameter	Thickness	Internal Diameter
			d	s	d
3021-020-PN12.5	20mm	160m	20mm	2.3mm	15.4mm
3021-025-PN12.5	25mm	100m	25mm	2.8mm	19.4mm
3021-032-PN12.5	32mm	60m	32mm	3.6mm	24.8mm
3021-040-PN12.5	40mm	40m	40mm	4.5mm	31.0mm
3021-050-PN12.5	50mm	28m	50mm	5.6mm	38.8mm
3021-063-PN12.5	63mm	16m	63mm	7.1mm	45.8mm
3021-075-PN12.5	75mm	8m	75mm	8.4mm	54.2mm
3021-090-PN12.5	90mm	4m	90mm	10.1mm	65.8mm
3021-110-PN12.5	110mm	4m	4mm	12.3mm	79.4mm
3021-160-PN12.5	160mm	4m	4mm	17.9mm	124.2mm

BLAZE PP-R PIPE SERIES

COLD & HOT WATER SERIES (PN16 & PN20)



PP-R HOT & COLD WATER PIPE PN16
Model No-BT 3022
Pipe Series :PP_R SDR 7.4 / S3.2 / PN 16
Colour : Green
Length:4m straight length

PP-R HOT & COLD WATER PIPE PN16					
Ordering code	Pipe Dimension	Package Unit	Diameter	Thickness	Internal Diameter
			d	s	d
3022-020-PN16	20mm	160m	20mm	2.8mm	14.4mm
3022-025-PN16	25mm	100m	25mm	3.5mm	18.0mm
3022-032-PN16	32mm	60m	32mm	4.4mm	23.2mm
3022-040-PN16	40mm	40m	40mm	5.5mm	29.0mm
3022-050-PN16	50mm	28m	50mm	6.9mm	36.2mm
3022-063-PN16	63mm	16m	63mm	8.6mm	45.8mm
3022-075-PN16	75mm	8m	75mm	10.3mm	54.4mm
3022-090-PN16	90mm	4m	90mm	12.3mm	65.4mm
3022-110-PN16	110mm	4m	110mm	15.1mm	79.4mm
3022-160-PN16	160mm	4m	160mm	21.9mm	116.2mm



PP-R HOT & COLD WATER PIPE PN20
Model No-BT 3023
Pipe Series :PP_R SDR 6.0/ S2.5 / PN 20
Color:Green
Length:4m straight length

PP-R HOT & COLD WATER PIPE PN20					
Ordering Code	Pipe Dimension	Package Unit	Diameter	Thickness	Internal Diameter
			d	s	d
3023-020-PN20	20mm	160m	20mm	3.4mm	13.2mm
3023-025-PN20	25mm	100m	25mm	4.2mm	16.2mm
3023-032-PN20	32mm	60m	32mm	5.4mm	21.2mm
3023-040-PN20	40mm	40m	40mm	6.7mm	26.6mm
3023-050-PN20	50mm	28m	50mm	8.3mm	33.4mm
3023-063-PN20	63mm	16m	63mm	10.5mm	42.0mm
3023-075-PN20	75mm	8m	75mm	12.5mm	50.0mm
3023-090-PN20	90mm	4m	90mm	15.0mm	60.0mm
3023-110-PN20	110mm	4m	110mm	18.3mm	73.4mm
3023-160-PN20	160mm	4m	160mm	26.6mm	106.8mm

BLAZE PP-R PIPE SERIES

ALUMINIUM COMPOSITE SERIES (PN 16 PN 20)

Reduced Thermal Expansion & High-Performance Piping Solution

The BLAZE PP-R Aluminium Composite Series combines the durability of PP-R Type 3 with the superior strength and dimensional stability of an aluminium core. This multi-layer pipe construction ensures reduced thermal expansion, improved rigidity, and reliable performance under demanding hot and cold water conditions.

Manufactured to DIN 8077/8078 and ISO 15874 standards, and available in PN16 and PN20 pressure ratings, these pipes deliver long service life, high-pressure resistance, and exceptional performance for modern plumbing and HVAC systems.

Key Features & Benefits

- Aluminium Reinforced Layer – Minimizes thermal expansion, reducing sagging in hot water installations.
- High Pressure & Temperature Resistance – Suitable for continuous operation up to 95°C (with peak temperatures up to 110°C)
- Corrosion & Scale Resistant – Ensures clean, hygienic water flow for potable applications.
- Leak-Proof Joints – Heat fusion welding provides homogeneous and maintenance-free connections.
- Long Service Life – Designed to last up to 50 years under recommended conditions.
- Dimensional Stability – Less pipe expansion allows for straighter pipe runs with fewer supports.

Applications

- Hot & Cold Potable Water Supply Systems
- Central Heating & Chilled Water Networks
- HVAC Installations for Residential & Commercial Buildings
- Industrial Water Supply Lines

Disclaimer : Product images are for illustration purposes only. Actual products may vary. The manufacturer reserves the right to modify, upgrade, or improve the product specifications at any time without prior notice.

BLAZE PP-R PIPE SERIES

ALUMINIUM COMPOSITE SERIES (PN 16 PN20)

PP-R ALUMINIUM COMPOSITE PIPE PN16
Model No-BT 3029
Pipe Series: PP_R SDR 7.4/ S3.2 / PN 16
Color: White
Length:4m straight length



PP-R ALUMINIUM COMPOSITE PIPE PN16					
Ordering Code	Pipe Dimension	Package Unit	Diameter	Thickness	Internal Diameter
			d	s	d
3029-020-PN16	20mm	160m	20mm	2.8mm	14.4mm
3029-025-PN16	25mm	100m	25mm	3.5mm	18.0mm
3029-032-PN16	32mm	60m	32mm	4.4mm	23.2mm
3029-040-PN16	40mm	40m	40mm	5.5mm	29.0mm
3029-050-PN16	50mm	28m	50mm	6.9mm	36.2mm
3029-063-PN16	63mm	16m	63mm	8.6mm	45.8mm

PP-R ALUMININUM COMPOSITE PIPE PN20
Model No-BT 3024
Pipe Series :PP_R SDR 6/ S 2.5 / PN 20
Color: White
Length:4m straight length



PP-R ALUMINIUM COMPOSITE PIPE PN20					
Ordering Code	Pipe Dimension	Package Unit	Diameter	Thickness	Internal Diameter
			d	s	d
3024-020-PN20	20mm	160m	20mm	3.4mm	13.2mm
3024-025-PN20	25mm	100m	25mm	4.2mm	16.2mm
3024-032-PN20	32mm	60m	32mm	5.4mm	21.2mm
3024-040-PN20	40mm	40m	40mm	6.7mm	26.6mm
3024-050-PN20	50mm	28m	50mm	8.3mm	33.4mm
3024-063-PN20	63mm	16m	63mm	10.5mm	42.0mm

BLAZE PP-R PIPE SERIES

FIBER COMPOSITE SERIES

Superior Strength & Reduced Thermal Expansion

The BLAZE PP-R Fiber Composite Series offers a high-performance piping solution with a three-layer construction consisting of an inner and outer PP-R Type 3 layer reinforced with a fiber composite middle layer. This advanced design delivers reduced thermal expansion, enhanced rigidity, and excellent dimensional stability, making it ideal for demanding hot and cold water applications.

Manufactured in compliance with DIN 8077/8078 and ISO 15874 standards, and available in PN16 and PN20 pressure ratings, the Fiber Composite Series combines the proven benefits of PP-R with the added strength of fiber reinforcement for longer service life and superior performance.

Key Features & Benefits

- Three-Layer Construction – PP-R–Fiber–PP-R design for maximum strength and
- durability.
- Low Thermal Expansion – Reduced pipe elongation in hot water installations.
  High Pressure & Temperature Resistance – Suitable for continuous temperatures up to
- 95°C (peak up to 110°C).
- Corrosion & Scale Resistant – Ensures hygienic, smooth water flow with minimal deposits.
- Leak-Proof Fusion Welding – Homogeneous connections with zero leakage risk.

Applications

- Hot & Cold Potable Water Distribution Systems
- Heating & Chilled Water Networks
- Residential, Commercial & Industrial Plumbing Installations
- HVAC Systems for High-Performance Projects

BLAZE PP-R PIPE SERIES

FIBER COMPOSITE SERIES

PP-R FIBER COMPOSITE PIPE PN16
Model No-BT 3025
Pipe Series :PP_R SDR 7.4/ S 3.2 / PN 16
Color:White
Length:4m straight length



PP-R FIBER COMPOSITE PIPE PN16					
Ordering Code	Pipe Dimension	Package Unit	Diameter	Thickness	Internal Diameter
			d	s	d
3025-020-PN16	20mm	160m	20mm	2.8mm	14.4mm
3025-025-PN16	25mm	100m	25mm	3.5mm	18.0mm
3025-032-PN16	32mm	60m	32mm	4.5mm	23.2mm
3025-040-PN16	40mm	40m	40mm	5.6mm	29.0mm
3025-050-PN16	50mm	28m	50mm	6.9mm	36.2mm
3025-063-PN16	63mm	16m	63mm	8.7mm	45.8mm

PP-R FIBER COMPOSITE PIPE PN20
Model No-BT 3026
Pipe Series :PP_R SDR 6/ S 2.5 / PN 20
Color:White
Length:4m straight length



PP-R FIBER COMPOSITE PIPE PN20					
Ordering Code	Pipe Dimension	Package Unit	Diameter	Thickness	Internal Diameter
			d	s	d
3026-020-PN20	20mm	160m	20mm	3.4mm	13.2mm
3026-025-PN20	25mm	100m	25mm	4.2mm	16.2mm
3026-032-PN20	32mm	60m	32mm	5.4mm	21.2mm
3026-040-PN20	40mm	40m	40mm	6.7mm	26.6mm
3026-050-PN20	50mm	28m	50mm	8.3mm	33.4mm
3026-063-PN20	63mm	16m	63mm	10.5mm	42.0mm

BLAZE PP-R CT PIPE SERIES

PP-R CT PIPES

Advanced Crystalline Technology for Maximum Performance

The BLAZE PP-R CT Series represents the next generation of piping technology, manufactured using Crystalline Temperature (CT) Technology to deliver superior pressure resistance, reduced wall thickness, and increased flow capacity.

Unlike standard PP-R pipes, the CT Series utilizes an advanced molecular structure that improves strength and heat resistance without compromising weight or ease of installation. Available in PN12.5, PN16 and PN20 pressure ratings, these pipes are suitable for high-performance hot and cold water applications where long-term reliability is essential.

Key Features & Benefits

- Advanced CT Technology – Enhanced crystalline structure for higher pressure and temperature resistance.
- Higher Flow Capacity – Reduced wall thickness offers greater internal diameter for increased water flow.
- Low Thermal Expansion – Minimizes pipe elongation in hot water systems.
- High Pressure & Temperature Endurance – Continuous use up to 95°C with peaks up to 110°C.
- Corrosion & Scale Resistant – Provides clean, hygienic water supply over decades of service.
- Long Service Life – Designed for over 50 years under recommended operating conditions.
- Lightweight & Easy to Install – Simplifies transportation, handling, and fusion welding.

Applications

- Hot & Cold Potable Water Supply Systems
- Central Heating & Chilled Water Networks
- HVAC Installations in Residential, Commercial & Industrial Projects
- High-Pressure Water Transport Systems

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BLAZE PP-R PIPE SERIES

PP-R CT PIPES

PP-R CT PIPES PN10
Model No-BT 3027-1
Pipe Series :PP_R SDR 11 / S5 / PN 10
Color:Green
Length:4m straight length



PP-R CT PIPE PN10					
Ordering Code	Pipe Dimension	Package Unit	Diameter	Thickness	Internal Diameter
			d	s	d
3027-1-020-PN10	20mm	160m	20mm	2.0mm	16.2mm
3027-1-025-PN10	25mm	100m	25mm	2.3mm	20.4mm
3027-1-032-PN10	32mm	60m	32mm	2.9mm	26.0mm
3027-1-040-PN10	40mm	40m	40mm	3.7mm	32.6mm
3027-1-050-PN10	50mm	28m	50mm	4.6mm	40.8mm
3027-1-063-PN10	63mm	16m	63mm	5.8mm	51.4mm
3027-1-075-PN10	75mm	8m	75mm	6.8mm	61.2mm
3027-1-090-PN10	90mm	4m	90mm	8.2mm	73.6mm
3027-1-110-PN10	110mm	4m	110mm	10.0mm	90.0mm
3027-1-160-PN10	160mm	4m	160mm	14.6mm	130.8mm

PP-R CT PIPES PN12.5
Model No-BT 3027-2
Pipe Series :PP_R SDR 9 / S4 / PN 12.5
Color:Green
Length:4m straight length



PP-R CT PIPE PN12.5					
Ordering Code	Pipe Dimension	Package Unit	Diameter	Thickness	Internal Diameter
3027-2-020-PN12.5	20mm	160m	20mm	2.3mm	15.4mm
3027-2-025-PN12.5	25mm	100m	25mm	2.8mm	19.4mm
3027-2-032-PN12.5	32mm	60m	32mm	3.6mm	24.8mm
3027-2-040-PN12.5	40mm	40m	40mm	4.5mm	31.0mm
3027-2-050-PN12.5	50mm	28m	50mm	5.6mm	38.8mm
3027-2-063-PN12.5	63mm	16m	63mm	7.1mm	45.8mm
3027-2-075-PN12.5	75mm	8m	75mm	8.4mm	54.2mm
3027-2-090-PN12.5	90mm	4m	90mm	10.1mm	65.8mm
3027-2-110-PN12.5	110mm	4m	110mm	12.3mm	79.4mm
3027-2-160-PN12.5	160mm	4m	160mm	17.9mm	124.2mm

BLAZE PP-R PIPE SERIES

PP-R CT PIPES

PP-R CT PIPES PN16
Model No-BT 3027-3
Pipe Series :PP_R SDR 7.4 / S3.2 / PN 16
Color:Green
Length:4m straight length



PP-R CT PIPE PN16					
Ordering Code	Pipe Dimension	Package Unit	Diameter	Thickness	Internal Diameter
			d	s	d
3027-3-020-PN16	20mm	160m	20mm	2.8mm	14.4mm
3027-3-025-PN16	25mm	100m	25mm	3.5mm	18.0mm
3027-3-032-PN16	32mm	60m	32mm	4.4mm	23.2mm
3027-3-040-PN16	40mm	40m	40mm	5.5mm	29.0mm
3027-3-050-PN16	50mm	28m	50mm	6.9mm	36.2mm
3027-3-063-PN16	63mm	16m	63mm	8.6mm	45.8mm
3027-3-075-PN16	75mm	8m	75mm	10.3mm	54.4mm
3027-3-090-PN16	90mm	4m	90mm	12.3mm	65.4mm
3027-3-110-PN16	110mm	4m	110mm	15.1mm	79.8mm
3027-3-160-PN16	160mm	4m	160mm	21.9mm	116.2mm

PP-R CT PIPES PN20
Model No-BT 3027-4
Pipe Series :PP_R SDR 6.0/ S2.5 / PN 20
Color:Green
Length:4m straight length



PP-R CT PIPE PN20					
Ordering Code	Pipe Dimension	Package Unit	Diameter	Thickness	Internal Diameter
			d	s	d
3027-4-020-PN20	20mm	160m	20mm	3.4mm	13.2mm
3027-4-025-PN20	25mm	100m	25mm	4.2mm	16.2mm
3027-4-032-PN20	32mm	60m	32mm	5.4mm	21.2mm
3027-4-040-PN20	40mm	40m	40mm	6.7mm	26.6mm
3027-4-050-PN20	50mm	28m	50mm	8.3mm	33.4mm
3027-4-063-PN20	63mm	16m	63mm	10.5mm	42.0mm
3027-4-075-PN20	75mm	8m	75mm	12.5mm	50.0mm
3027-4-090-PN20	90mm	4m	90mm	15.0mm	60.0mm
3027-4-110-PN20	110mm	4m	110mm	18.3mm	73.4mm
3027-4-160-PN20	160mm	4m	160mm	26.6mm	10.8mm

BLAZE PP-R PIPE SERIES

DOUBLE LAYER PP-R PIPES

Enhanced Durability & Thermal Stability

The BLAZE Double Layer PP-R Pipes are designed for modern plumbing and HVAC systems that require improved mechanical strength and reduced thermal expansion. Featuring a two-layer construction, these pipes combine the robustness of high-quality PP-R Type 3 material with an inner layer optimized for hot and cold water transport.

Manufactured to DIN 8077/8078 and ISO 15874 standards, and available in PN10, PN12.5, PN16, and PN20, these pipes offer reliable performance across a wide range of pressures and temperatures, making them suitable for residential, commercial, and industrial water distribution systems.

Key Features & Benefits

- Double-Layer Construction – Provides higher strength and durability compared to single-layer pipes.
- Reduced Thermal Expansion – Minimizes elongation and sagging in hot water installations.
- High Pressure & Temperature Resistance – Continuous operation up to 95°C, peak up to
- 110°C (for PN16 & PN20).
- Corrosion & Scale Resistant – Ensures hygienic water supply and uninterrupted flow.
- Leak-Proof Fusion Joints – Homogeneous heat-fused connections for 100% reliability.
- Long Service Life – Designed for over 50 years under recommended operating conditions.
- Lightweight & Easy to Install – Reduces labor costs and simplifies handling.

Applications

- Residential & Commercial Hot & Cold Water Systems
- Heating & Chilled Water Networks
- HVAC Installations
- Industrial Water Distribution
- Agriculture & Irrigation Systems

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BLAZE PP-R PIPE SERIES

DOUBLE LAYER PIPES

DOUBLE LAYER PP-R PIPE PN10
Model No-BT 3028-1
Pipe Series :PP_R SDR 11 / S5 / PN 10
Color:Green, Orange
Length:4m straight length



DOUBLE LAYER PP-R PIPE PN10					
Ordering Code	Pipe Dimension	Package Unit	Diameter	Thickness	Internal Diameter
			d	s	d
3028-1-020-PN10	20mm	160m	20mm	2.0mm	16.2mm
3028-1-025-PN10	25mm	100m	25mm	2.3mm	20.4mm
3028-1-032-PN10	32mm	60m	32mm	2.9mm	26.0mm
3028-1-040-PN10	40mm	40m	40mm	3.7mm	32.6mm
3028-1-050-PN10	50mm	28m	50mm	4.6mm	40.8mm
3028-1-063-PN10	63mm	16m	63mm	5.8mm	51.4mm
3028-1-075-PN10	75mm	8m	75mm	6.8mm	61.2mm
3028-1-090-PN10	90mm	4m	90mm	8.2mm	73.6mm
3028-1-110-PN10	110mm	4m	110mm	10.0mm	90.0mm
3028-1-160-PN10	160mm	4m	160mm	14.6mm	130.8mm

DOUBLE LAYER PP-R PIPE PN12.5
Model No-BT 3028-2
Pipe Series :PP_R SDR 9 / S4 / PN 12.5
Color:Green, Orange
Length:4m straight length



DOUBLE LAYER PP-R PIPE PN12.5					
Ordering Code	Pipe Dimension	Package Unit	Diameter	Thickness	Internal Diameter
			d	s	d
3028-2-020-PN12.5	20mm	160m	20mm	2.3mm	15.4mm
3028-2-025-PN12.5	25mm	100m	25mm	2.8mm	19.4mm
3028-2-032-PN12.5	32mm	60m	32mm	3.6mm	24.8mm
3028-2-040-PN12.5	40mm	40m	40mm	4.5mm	31.0mm
3028-2-050-PN12.5	50mm	28m	50mm	5.6mm	38.8mm
3028-2-063-PN12.5	63mm	16m	63mm	7.1mm	45.8mm
3028-2-075-PN12.5	75mm	8m	75mm	8.4mm	54.2mm
3028-2-090-PN12.5	90mm	4m	90mm	10.1mm	65.8mm
3028-2-110-PN12.5	110mm	4m	110mm	12.3mm	79.4mm
3028-2-160-PN12.5	160mm	4m	160mm	17.9mm	124.2mm

BLAZE PP-R PIPE SERIES

DOUBLE LAYER PIPES

DOUBLE LAYER PP-R PIPE PN16
Model No-BT 3028-3
Pipe Series :PP_R SDR 7.4 / S3.2 / PN 16
Color:Green, Orange
Length:4m straight length



DOUBLE LAYER PP-R PIPE PN16					
Ordering Code	Pipe Dimension	Package Unit	Diameter	Thickness	Internal Diameter
			d	s	d
3028-3-020-PN16	20mm	160m	20mm	2.8mm	14.4mm
3028-3-025-PN16	25mm	100m	25mm	3.5mm	18.0mm
3028-3-032-PN16	32mm	60m	32mm	4.4mm	23.2mm
3028-3-040-PN16	40mm	40m	40mm	5.5mm	29.0mm
3028-3-050-PN16	50mm	28m	50mm	6.9mm	36.2mm
3028-3-063-PN16	63mm	16m	63mm	8.6mm	45.8mm
3028-3-075-PN16	75mm	8m	75mm	10.3mm	54.4mm
3028-3-090-PN16	90mm	4m	90mm	12.3mm	65.4mm
3028-3-110-PN16	110mm	4m	110mm	15.1mm	79.8mm
3028-3-160-PN16	160mm	4m	160mm	21.9mm	116.2mm

DOUBLE LAYER PP-R PIPE PN20
Model No-BT 3028-4
Pipe Series :PP_R SDR 6.0/ S2.5 / PN 20
Color:Green, Orange
Length:4m straight length



DOUBLE LAYER PP-R PIPE PN20					
Ordering Code	Pipe Dimension	Package Unit	Diameter	Thickness	Internal Diameter
			d	s	d
3028-4-020-PN20	20mm	160m	20mm	3.4mm	13.2mm
3028-4-025-PN20	25mm	100m	25mm	4.2mm	16.2mm
3028-4-032-PN20	32mm	60m	32mm	5.4mm	21.2mm
3028-4-040-PN20	40mm	40m	40mm	6.7mm	26.6mm
3028-4-050-PN20	50mm	28m	50mm	8.3mm	33.4mm
3028-4-063-PN20	63mm	16m	63mm	10.5mm	42.0mm
3028-4-075-PN20	75mm	8m	75mm	12.5mm	50.0mm
3028-4-090-PN20	90mm	4m	90mm	15.0mm	60.0mm
3028-4-110-PN20	110mm	4m	110mm	18.3mm	73.4mm
3028-4-160-PN20	160mm	4m	160mm	26.6mm	106.8mm

BLAZE PP-R FITTINGS

Reliable, Hygienic & Durable Piping Solution

At BLAZE, we are committed to delivering high-performance piping systems that combine durability, safety, and ease of installation. Our range of Polypropylene Random Copolymer (PP-R) fittings is designed for hot and cold water supply, HVAC, and industrial applications, ensuring long-lasting performance even under demanding conditions.

Manufactured from premium PP-R material (Type 3) and tested to international standards (DIN 8077/8078, ISO 15874, BS EN ISO 15874), BLAZE fittings are engineered to withstand high pressure and temperature while maintaining excellent flow characteristics. With WRAS APP-Roval, our fittings are certified safe for potable water applications, guaranteeing hygienic and reliable performance in residential, commercial, and industrial systems.

Key Features & Benefits

- WRAS APP-Roved – certified for safe use with drinking water
- Temperature Resistance – suitable for continuous use up to 95 °C (peak up to 110 °C)
- High Pressure Performance – available in PN10, PN16, PN20, and PN25 classes
- Corrosion & Scale Resistant – ensures clean and uninterrupted flow
- Long Service Life – designed to perform reliably for up to 50 years
- Fusion Jointing – leak-proof, homogenous connections through heat fusion

Applications

- Hot & Cold Potable Water Systems
- Heating & Chilled Water Networks
- HVAC Installations
- Industrial Fluids & Compressed Air



BLAZE PP-R FITTINGS RANGE

PP-R COUPLING

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3032-CO-020	20mm	9	1650
3032-CO-025	25mm	14	900
3032-CO-032	32mm	25.5	525
3032-CO-040	40mm	44	300
3032-CO-050	50mm	71	200
3032-CO-063	63mm	140	114
3032-CO-075	75mm	208	60
3032-CO-090	90mm	334	44
3032-CO-110	110mm	580	20
3032-CO-125	125mm	685	18
3032-CO-160	160mm	1180	10



PP-R 90* ELBOW

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3033-EL90-020	20mm	12.5	990
3033-EL90-025	25mm	23	600
3033-EL90-032	32mm	45	315
3033-EL90-040	40mm	82	150
3033-EL90-050	50mm	145	102
3033-EL90-063	63mm	280	54
3033-EL90-075	75mm	421	32
3033-EL90-090	90mm	695	16
3033-EL90-110	110mm	1200	12



PP-R 45* ELBOW

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3034-EL45-020	20mm	11	1320
3034-EL45-025	25mm	18	750
3034-EL45-032	32mm	35	360
3034-EL45-040	40mm	65	200
3034-EL45-050	50mm	106	120
3034-EL45-063	63mm	195	60
3034-EL45-075	75mm	310	36
3034-EL45-090	90mm	520	20
3034-EL45-110	110mm	925	12
3034-EL45-125	125mm	1125	10
3034-EL45-160	160mm	1720	5



BLAZE PP-R FITTINGS RANGE

PP-R EQUAL TEE

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3035-TE-020	20mm	18	750
3035-TE-025	25mm	28	450
3035-TE-032	32mm	54	200
3035-TE-040	40mm	98	138
3035-TE-050	50mm	161	72
3035-TE-063	63mm	332	42
3035-TE-075	75mm	490	24
3035-TE-090	90mm	822	14
3035-TE-110	110mm	1450	8
3035-TE-125	125mm	1745	4
3035-TE-160	160mm	3110	2



PP-R END CAP

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3036-EC-020	20mm	7	2700
3036-EC-025	25mm	11	1650
3036-EC-032	32mm	20	810
3036-EC-040	40mm	36	460
3036-EC-050	50mm	61	260
3036-EC-063	63mm	115	150
3036-EC-075	75mm	169	90
3036-EC-090	90mm	288	50
3036-EC-110	110mm	509	32
3036-EC-125	125mm	695	20
3036-EC-160	160mm	1055	16



PP-R CROSS TEE

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3037-CRT-020	20mm	20.8	600
3037-CRT-025	25mm	32	350
3037-CRT-032	32mm	62	168



BLAZE PP-R FITTINGS RANGE

PP-R REDUCING SOCKET

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3040-RS-025X020	25x20mm	12	1120
3040-RS-032X020	32X20mm	19	720
3040-RS-032X025	32X25mm	21	600
3040-RS-040X020	40X20mm	33.2	400
3040-RS-040X025	40X25mm	33.7	400
3040-RS-040X032	40X32mm	38	345
3040-RS-050X020	50X20mm	56.9	255
3040-RS-050X025	50X25mm	59.5	255
3040-RS-050X032	50X32mm	61.1	300
3040-RS-050X040	50X40mm	67	200
3040-RS-063X020	63X20mm	103.5	180
3040-RS-063X025	63X25mm	104	180
3040-RS-063X032	63X32mm	105.1	180
3040-RS-063X040	63X40mm	108.5	180
3040-RS-063X050	63X50mm	121	120
3040-RS-075X032	75X32mm	163.2	90
3040-RS-075X040	75X40mm	184.4	90
3040-RS-075X050	75X50mm	165	90
3040-RS-075X063	75X63mm	185	60
3040-RS-090X032	90X32mm	229.2	55
3040-RS-090X040	90X40mm	242.3	55
3040-RS-090X050	90X50mm	286.8	55
3040-RS-090X063	90X63mm	294.9	55
3040-RS-090X075	90X75mm	312.3	44
3040-RS-110X050	110X50mm	509	32
3040-RS-110X063	110X63mm	475.1	32
3040-RS-110X077	110X77mm	473	32
3040-RS-110X090	110X90mm	526.5	24
3040-RS-125X110	125X110mm	665	8
3040-RS-160X110	160X110mm	1055	10



5 WAY TYPE PP-R TEE

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3074-5WTE-020	20mm	-	-
3074-5WTE-025	25mm	-	-



BLAZE PP-R FITTINGS RANGE

PP-R REDUCING TEE

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3041-RTE-25X20X25	25x20x25mm	26	540
3041-RTE-32X20X32	32X20X32mm	40	315
3041-RTE-32X25X32	32X25X32mm	43	260
3041-RTE-40X20X40	40X20X40mm	64.26	200
3041-RTE-40X25X40	40X25X40mm	67	200
3041-RTE-40X32X40	40X32X40mm	75	156
3041-RTE-50X20X50	50X20X50mm	103.2	132
3041-RTE-50X25X50	50X25X50mm	108	108
3041-RTE-50X32X50	50X32X50mm	121	108
3041-RTE-50X40X50	50X40X50mm	140	88
3041-RTE-63X20X63	63X20X63mm	167	90
3041-RTE-63X25X63	63X25X63mm	191	72
3041-RTE-63X32X63	63X32X63mm	205	60
3041-RTE-63X40X63	63X40X63mm	233	60
3041-RTE-63X50X63	63X50X63mm	261	54
3041-RTE-75X25X75	75X25X75mm	296.5	36
3041-RTE-75X32X75	75X32X75mm	302.6	36
3041-RTE-75X40X75	75X40X75mm	342.7	36
3041-RTE-75X50X75	75X50X75mm	378	24
3041-RTE-75X63X75	75X63X75mm	435	24
3041-RTE-90X32X90	90X32X90mm	469	20
3041-RTE-90X40X90	90X40X90mm	532.5	20
3041-RTE-90X50X90	90X50X90mm	570	16
3041-RTE-90X63X90	90X63X90mm	626	16
3041-RTE-90X75X90	90X75X90mm	700	16
3041-RTE-110X50X110	110X50X110mm	833.5	12
3041-RTE-110X63X110	110X63X110mm	940.5	12
3041-RTE-110X75X110	110X75X110mm	1050	12
3041-RTE-110X90X110	110X90X110mm	1174	10



PP-R MALE PIPE PLUG

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3042-MP-015	20mm	-	-
3042-MP-020	20mm	-	-
3042-MP-025	32mm	-	-



BLAZE PP-R FITTINGS RANGE

PP-R MALE PIPE PLUG WITH O RING

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3043-MPR-015	15mm	7	3000
3043-MPR-020	20mm	9.5	2000
3043-MPR-025	25mm	-	1000



PP-R SHORT CLAMP A

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3044-SCA-020	20MM	4.0	3000
3044-SCA-025	25MM	5.0	2600
3044-SCA-032	32MM	8.1	2000



PP-R SHORT CLAMP B

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3045-SCB-020	20mm	-	-
3045-SCB-025	25mm	-	-
3045-SCB-032	32mm	-	-
3045-SCB-040	40mm	-	-
3045-SCB-050	50mm	-	-
3045-SCB-063	63mm	-	-



PP-R TALL CLAMP

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3046-TC-020	20mm	-	-
3046-TC-025	25mm	-	-
3046-TC-032	32mm	-	-
3046-TC-040	40mm	-	-
3046-TC-050	50mm	-	-
3046-TC-063	63mm	-	-



PP-R REDUCED ELBOW

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3047-REL-025X020	25x20mm	20.3	360
3047-REL-032X020	32X020mm	35.2	280
3047-REL-032X025	32X025mm	38.8	200



BLAZE PP-R FITTINGS RANGE

PP-R PLASTIC UNION

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3048-PU-020	20mm	40.32	500
3048-PU-025	25mm	61.02	300
3048-PU-032	32mm	111.78	200
3048-PU-040	40mm	200.74	80
3048-PU-050	50mm	376.52	45
3048-PU-063	63mm	601.32	33



PP-R FLANGE SOCKET

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3049-FA-063	63mm	95	-
3049-FA-075	75mm	140	-
3049-FA-090	90mm	230	-
3049-FA-110	110mm	410.04	-



FLANGE BACKING RING

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3050-FL-063	63mm	1380	-
3050-FL-075	75mm	1688	-
3050-FL-090	90mm	2000	-
3050-FL-110	110mm	2127	-



PP-R 90°ELBOW FM

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3051-ELF-20	25mm	14.0	990
3051-ELF-25	25mm	25.0	600
3051-ELF-32	32mm	49.0	315



PP-R TEE WITH SIDE INLET

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3075-SITE-020	20mm	-	-
3075-SITE-025	25mm	-	-



BLAZE PP-R FITTINGS RANGE

PP-R MALE THREADED ADAPTER

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3052-MA-020X1/2"	20x1/2mm	53	320
3052-MA-020X3/4"	20x3/4mm	84	240
3052-MA-025X1/2"	25x1/2mm	56	280
3052-MA-025X3/4"	25x3/4mm	80	240
3052-MA-032X1/2"	32X1/2mm	66.5	200
3052-MA-032X3/4"	32X3/4mm	84	200
3052-MA-032X3/1"	32X3/1mm	161.2	120
3052-MAH-040X11/4"	40X11/4mm	257	68
3052-MAH-050X11/2"	50X11/2mm	339	56
3052-MAH-063X2"	63X2mm	548	32
3052-MAH-075X21/2"	75X21/2mm	730	24
3052-MAH-090X3"	90X3mm	1275	10
3052-MAH-110X4"	110X4mm	2150	6



PP-R FEMALE THREADED ADAPTER

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3053-FA-020X1/2"	20X1/2mm	49	320
3053-FA-020X3/4"	20X3/4mm	69	240
3053-FA-025X1/2"	25X1/2mm	51	280
3053-FA-025X3/4"	25X3/4mm	69.2	240
3053-FA-032X1/2"	32X1/2mm	63	200
3053-FA-032X3/4"	32X3/4mm	71	200
3053-FA-032X1"	32X1mm	136	120
3053-FAH-040X11/4"	40X11/4mm	206	68
3053-FAH-050X11/2"	50X11/2mm	278	56
3053-FAH-063X2"	63X2mm	425	32
3053-FAH-075X21/2"	75X21/2mm	675	24
3053-FAH-090X3"	90X3mm	1165	10
3053-FAH-110X3"	110X3mm	2150	6



PP-R Y TYPE TEE

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3076-YTE-020	20mm	-	-
3076-YTE-025	25mm	-	-



BLAZE PP-R FITTINGS RANGE

PP-R MALE THREADED TEE

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3054-MTE-020X1/2"	20X1/2mm	62	250
3054-MTE-020X3/4"	20X3/4mm	96	200
3054-MTE-025X1/2"	25X1/2mm	70	168
3054-MTE-025X3/4"	25X3/4mm	97	144
3054-MTE-032X1/2"	32X1/2mm	100	100
3054-MTE-032X3/4"	32X3/4mm	117	100
3054-MTE-032X1"	32X1mm	207	72
3054-MTEH-040X11/4"	40X11/4mm	275.0	60
3054-MTEH-050X11/2"	50X11/2mm	360.0	50
3054-MTEH-063X2"	63X2mm	670.0	30



PP-R FEMALE THREADED TEE

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3055-FTE-020X1/2"	20X1/2mm	56	280
3055-FTE-020X3/4"	20X3/4mm	74	200
3055-FTE-025X1/2"	25X1/2mm	63	192
3055-FTE-025X3/4"	25X3/4mm	85	168
3055-FTE-032X1/2"	32X1/2mm	96	120
3055-FTE-032X3/4"	32X3/4mm	103	120
3055-FTE-032X1"	32X1mm	171	80
3055-FTEH-040X11/4"	40X11/4mm	266	60
3055-FTEH-050X11/2"	50X11/2mm	395	50
3055-FTEH-063X2"	63X2mm	600	30



PP-R 90° MALE THREADED ELBOW

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3056-MEL-020X1/2"	20X1/2mm	56	280
3056-MEL-020X3/4"	0X3/4mm	85	180
3056-MEL-025X1/2"	25X1/2mm	63	240
3056-MEL-025X3/4"	25X3/4mm	92	150
3056-MEL-032X1/2"	32X1/2mm	110	100
3056-MEL-032X3/4"	32X3/4mm	110	100
3056-MEL-032X1"	32X1mm	192.2	88



BLAZE PP-R FITTINGS RANGE

PP-R 90° FEMALE THREADED ELBOW

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3057-FEL-020X1/2"	20X1/2mm	49	360
3057-FEL-020X3/4"	20X3/4mm	80	200
3057-FEL-025X1/2"	25X1/2mm	59	280
3057-FEL-025X3/4"	25X3/4mm	79.8	200
3057-FEL-032X1/2"	32X1/2mm	87	144
3057-FEL-032X3/4"	32X3/4mm	94.8	144
3057-FEL-032X1"	32X1mm	160	100



PP-R FEMALE ADAPTER UNION

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3058-WFEL-020X1/2"	20X1/2mm	99	240
3060-FAU-025X3/4"	5X3/4mm	136	150
3060-FAU-032X1"	32X1mm	198	108
3060-FAU-040X11/4"	40X11/4mm	341	56
3060-FAU-050X11/2"	50X11/2mm	614	36
3060-FAU-063X2"	63X2mm	967	21



PP-R FEMALE UNION COUPLER

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3061-FUC-020X1/2"	20X1/2mm	48	400
3061-FUC-025X3/4"	25X3/4mm	59	200
3061-FUC-032X1"	32X1mm	114	100



PP-R FEMALE UNION ELBOW

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
	20mm	53	200
3062-FUEL-020X1/2"	20X1/2mm	73	150
3062-FUEL-032X1"	32X1mm	135	100



PP-R Y TYPE TEE

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3077-LAE-020	20mm	-	-
3077-LAE-025	25mm	-	-
3077-LAE-026	25mm	-	-



BLAZE PP-R FITTINGS RANGE

PP-R FEMALE UNION TEE

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3063-FUTE-020X1/2"	20mm	-	-



PP-R ADAPTER UNION

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3059-MAU-020X1/2"	20mm	101	240
3059-MAU-025X3/4"	25mm	144	150
3059-MAU-032X1"	32mm	216	90
3059-MAU-040X11/4"	40mm	384	48
3059-MAU-050X11/2"	50mm	666	32
3059-MAU-063X2"	63mm	1030	18



CHROME PLATED CONCEALED STOP VALVE

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3065-CSV-020	20mm	155	66
3065-CSV-025	25mm	194	60
3065-CSV-030	32mm	221	50



PP-R STOP VALVE

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3066-SV-020	20mm	178.2	100
3066-SV-025	25mm	256	8
3066-SV-032	32mm	281	6
3066-SV-040	40mm	470	36
3066-SV-050	50mm	685	22
3066-SV-063	63mm	1051	14



PP-R FEMALE THREADED ELBOW WITH DISK

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3058-WFEL-020X1/2"	20X1/2mm	58.5	250
3058-WFEL-025X1/2"	25X1/2mm	66.5	200



BLAZE PP-R FITTINGS RANGE

PP-R MALE ADAPTER UNION

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3059-MAU-020X1/2"	20X1/2mm	101	240
3059-MAU-025X3/4"	25X3/4mm	144	150
3059-MAU-032X1"	32X1mm	216	90
3059-MAU-040X11/4"	40X11/4mm	384	48
3059-MAU-050X11/2"	50X11/2mm	666	32
3059-MAU-063X2"	63X2mm	1030	18



PP-R BALL VALVE WITH BRASS BALL

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
-	20mm	88	150
3067-BV-025	25mm	120	100
3067-BV-032	32mm	178	60
3067-BV-040	40mm	290	40
3067-BV-050	50mm	530	24
3067-BV-063	63mm	906	15



PP-R DOUBLE ELBOW WALL PLATED

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3068-WDE-020 X1/2"	20 X1/2mm	138	90



PP-R 90* LONG FEMALE THREADED ELBOW

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3069-LFEL-020X1/2"	20X1/2mm	-	-
3069-LFEL-025X1/2"	25X1/2mm	-	-
3069-LFEL-025X3/4"	25X3/4mm	-	-
3069-LFEL-032X3/4"	32X3/4mm	-	-
3069-LFEL-032X1"	32X1mm	-	-



PP-R BYPASS BEND

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3038-BBL-020	20mm	30	400
3038-BBL-025	25mm	44	270
3038-BBL-032	32mm	79	156



BLAZE PP-R FITTINGS RANGE

PP-R UNION BALL VALVE

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3070-BV-020	20mm	-	-
3070-BV-025	25mm	-	-
3070-BV-032	32mm	-	-
3070-BV-040	40mm	-	-
3070-BV-050	50mm	-	-
3070-BV-063	63mm	-	-



PP-R UNION

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3071-UN-020	20mm	-	-
3071-UN-025	25mm	-	-
3071-UN-032	32mm	-	-
3071-UN-040	40mm	-	-
3071-UN-050	50mm	-	-
3071-UN-063	63mm	-	-



PP-R LONG PLUG

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3072-LP-15	15mm	18.0	500
3072-LP-25	25mm	20.0	300



PP-R WALL PLATED MALE ELBOW

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3073-WMEL-020X1/2"	20mm x1/2	73.5	240
3073-WMEL-025X1/2"	25mm x1/2	80	200



PP-R TUNNEL TYPE BYPASS BEND

Ordering Code	Pipe Dimension	Weight (g)	Total Qty/Box
3039-BBS-020	20mm	26.8	400
3039-BBS-025	25mm	36.2	270
3039-BBS-032	32mm	99.5	156



TOOLS FOR PP-R PIPE & FITTINGS INSTALLATION

	PP-R SOCKET FUSION MACHINE Size Range : DN20-DN63 Rated Voltage : AC220/230V 50/60HZ Rated Power : 800W/870W Working Temperature : 260*C±3% Applicable Material : Polypropylene	20-63 MM
	PP-R PIPE CUTTER	20- 40 MM 40- 75 MM
	PP-R PIPE REAMER	20 - 63MM
	PP-R ROLLER CUTTER	50 - 140 MM
	PP-R SOCKET WELDER WITH DIGITAL SCREEN Size Range : DN75-DN110 Rated Voltage : AC220/230V 50/60HZ Rated Power : 1500W/1600W Working Temperature : 260*C±3% Applicable Material : Polypropylene	75-110 MM

FOR PROPER INSTALLATION, PLEASE REFER TO THE BLAZE PP-R INSTALLATION MANUAL.



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