



PP-R MR230C

PP Random Copolymer · Hot & Cold Water Pipe Grade

Also traded as PPRC · PP Random Copolymer · Origin: Iran

MFR (230 °C / 5 KG)

0.8 – 1.3 g/10 min

SPECIFIC GRAVITY

0.89

PROCESS

Pipe Extrusion

OVEN AGEING (135 °C)

> 9000_h

PRODUCT DESCRIPTION

PP-R MR230C is a polypropylene random copolymer designed for hot and cold water supply systems and industrial water conveyance. It offers excellent creep properties and processability by both extrusion and injection moulding.

- Excellent creep resistance
- Long-term heat ageing
- Hot & cold water
- Extrusion & injection

PROCESSING GUIDE

Process	Pipe extrusion & injection
Melt temperature	200 – 230 °C
Pipe standard	DIN 8077 / 8078
Form	Natural pellets

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
PHYSICAL			
Melt Flow Rate (230 °C / 2.16 kg)	ASTM D1238	g/10 min	< 0.3
Melt Flow Rate (230 °C / 5 kg)	ASTM D1238	g/10 min	0.8 – 1.3
Melt Flow Rate (190 °C / 5 kg)	ASTM D1238	g/10 min	0.4 – 0.6
Specific Gravity	ASTM D792	—	0.89
MECHANICAL			
Flexural Modulus	ASTM D790	MPa	950
Tensile Strength at Yield	ASTM D638	MPa	28
Elongation at Break	ASTM D638	%	> 430
Izod Notched (23 °C / 0 °C / –20 °C)	ASTM D256	J/m	NB / 160 / 50
Rockwell Hardness	ISO 2039-2	R scale	93
THERMAL			
Vicat Softening Point (9.8 N)	ASTM D1525	°C	135
HDT (0.46 MPa)	ASTM D648	°C	80
Oven Ageing (135 °C)	ASTM D3012	h	> 9000
Linear Expansion Coefficient	ASTM D696	mm/(m·°C)	0.11

APPLICATIONS



Hot & Cold Water Pipe



PP-R Fittings



Underfloor Heating



Industrial Water Lines

PACKAGING

25 kg PE / woven bags
Palletised or jumbo on request
20' / 40' container loading

SUPPLY

Delivery ex-factory or at border
100% pre-shipment inspection
Full export documentation



Get Today's Price

Scan to request a quote for PP-R MR230C on WhatsApp.

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◆ DIRECT SUPPLY FROM IRAN

◆ PREMIUM GRADES

◆ COMPETITIVE PRICES

◆ WORLDWIDE EXPORT

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