



PHOENIX

LAND
INTERNATIONAL
TRADING

Technical Datasheet

- **Grade Name:** MR230C COPOLYMER
- **Categories:** Polymer, Thermoplastic, Polypropylene, Polypropylene Copolymer
- **Processing Methods:** extrusion and injection molding
- **Applications:** suitable for industrial water conveyance, hot and cold water supply systems
- **Features:** excellent creep properties and processability

Physical Properties			
Properties	Value	Unit	Test Method
MFI(230 °C/2.16 Kg)	<0.3	Dg/min	ASTM D1238 L
MFI(230 °C/2.16 Kg)	0.8-1.3	Dg/min	ASTM D1238 L
Density	0.9	g/cm ³	ASTM D1505
Mechanical Properties			
Properties	Value	Unit	Test Method
Flexural Modulus	950	MPa	ASTM D790
Izod Impact Strength (notched) at 23 °C	NB	J/m	ASTM D256
Tensile Elongation at Yield	> 430	%	ASTM D638
Tensile Strength at Yield	28	MPa	ASTM D638
Izod Impact Strength (notched) at -23 °C	50	J/m	ASTM D256
Rockwell Hardness	0.11	mm/(m.°C)	ASTM D696
Thermal Properties			
Properties	Value	Unit	Test Method
H. D. T (0.46 MPa)	82	°C	ASTM D648
Accelerated oven ageing in air at 135 °C	>9000	h	ASTM D3012
Vicat Softening Point (9.8 N)	135	°C	ASTM D1525

Typical Properties: These values are not to be considered as product specifications.

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