

PP RP230C Technical Datasheet

1) Product Description:

Polypropylene RP230C exhibits excellent heat resistance, and is designed to produce items with superior toughness, even at low temperature.

Because of its excellent impact strength – down to 0°C, and its improved creep rupture properties under internal pressure stress, Polypropylene RP230C is well suited for production of pressure pipes for industry, heating pipes and under floor hot water heating, domestic service pipes (hot and cold water) and weldable fittings.

2) Applications:

Extrusion applications of polypropylene RP230C include pipes and tough sheet for industrial applications. This grade is specially suitable for applications requiring high resistance to temperature, pressure and aggressive media.

3) Typical data:

Property	Test method	Unit	value
Melt flow rata(230°C/2.16 kg)	ASTM D 1238	gr/10min	0.35
Melt flow rata(230°C/5.0 kg)	ASTM D 1238	gr/10min	1.7
Vicat softening point (9.8N)	ASTM D 1525	°C	135
H.D.T (0.46 MPa)	ASTM D 648	°C	75
Flexural Modulus	ASTM D 790	MPa	1000
Tensile Strength at Yield	ASTM D 638	MPa	28
Elongation at Yield	ASTM D 638	%	15
Izod impact Strength (notched) at 23°C	ASTM D 256	J/m	No Break
Izod impact Strength (notched) at -20°C	ASTM D 256	J/m	50
Rockwell hardness [R – B Scale]	ASTM D 785	R-B	75

* Typical values not to be construed as specifications.