



Technical Datasheet: RG 3212 E

Product Description:

RG 3212 E by Regal Petrochemical is a polypropylene (PP) random copolymer grade with high melt stability. Is suitable for processing by extrusion. Recommended for pressure pipes, hot & cold water system, drinking water pipes and pipes for electrical appliances. RG 3212 E complies with ISO 9080:2003 evaluation of the long term hydrostatic strength.

Applications:

Pressure Pipes , Hot & Cold Water System , Drinking Water Pipes , Pipes for Electrical Appliances

Typical data:

Property	Test method	Unit	value
Melt Flow Rate (230 °C, 2.16kg)	ASTM D1238/L	gr/10min	0.25
Density	ASTM D792	g/cm ³	0.91
Tensile Modulus of Elasticity (1mm/min)	ASTM D638	MPa	150
Tensile Strength at Yield (5 mm/min)	ASTM D638	MPa	25
Elongation at Yield(5 mm/min)	ASTM D638	%	10
Notched Charpy Impact at 23°	ISO 179/ 1eA	kJ/m ²	20
Notched Charpy Impact at -20°/td>	ISO 179/ 1eA	kJ/m ²	2.5
Vicat Softening Point, 10N	ASTM D1545	°C	132
Ball Indentation Hardness	ISO 2039-1	MPa	45
HDT (0.46 N/mm ²)	ASTM D648	°C	45
Melting Point , DSC	ASTM D3715	°C	145