

Technical Data Sheet

RG 3212 E

Polypropylene random copolymer

RG 3212 E is a nucleated polypropylene random copolymer with high fluidity and outstanding transparency and gloss and is designed for injection molding applications.

RG 3212 E is the material of choice for applications where transparency is a primary requirement. This grade is also suitable for injection stretch blow molded containers and bottles. This product combines good see through clarity and excellent moisture barrier properties with hot fallibility. Therefore, RG 3212 E offers an effective alternative for PET and PVC for the packaging of non-oxygen sensitive products such as confectionary, herbs, toiletries and cosmetics

Application:

Pressure Pipes, Hot& cold Water System, Drinking Water Pipes, Pipes for Electrical Appliances.

Properties	Value	Unit	Test Method
Melt Flow Rate(230°C,2.16 Kg)	0.25	g/10 min	ASTM D 1238
Tensile Modulus of Elasticity (1mm/min)	850	Mpa	ASTM D 638
Tensile Strength at Yield (50 mm/min)	25	MPa	ASTM D638
Elongation at Yield(50 mm/min)	10	%	ASTM D638
Notched Charpy Impact at 23°	20	KJ/m2	ISO 179/ 1eA
Notched Charpy Impact at -30°	42771	KJ/m2	ISO 179/ 1eA
Vicat Softening Point, 10N	132	°C	ASTM D1525
Ball indentation hardness	45	MPa	ISO 2039-1
HDT (0.46 N/mm2)	75	°C	ASTM D648
Melting Point , DSC	145	°C	ASTM D3417
Density	0.91	gr/cm3	ASTM D792