



## Product Data and Technical Information

**POLYMER TYPE:** POLYPROPYLENE RANDOM COPOLYMER

**GRADE NAME :** RG 3212 E

**PACKING :** PP bags of 25 kgs, 50 bags on a pallet shrunk by PE

**APPLICATION :** Pressure pipes, hot & cold water system, drinking water pipes, pipes for electrical appliances

**PRODUCT FEATURES :** Random copolymer for extrusion applications with high melt stability

**PROCESSING METHOD :** Extrusion

Property	Test Method	Unit	Value
MFR ( 230° C/ 2.16 Kg )	ASTM D1238/L	gr/10min	0.25
Tensile Modulus of Elasticity (1mm/min)	ASTM D638	MPa	850
Tensile Strength at Yield (50 mm/min)	ASTM D638	MPa	25
Elongation at Yield(50 mm/min)	ASTM D638	%	10
Notched Charpy Impact at 23°	ISO 179/ 1eA	KJ/m <sup>2</sup>	20
Notched Charpy Impact at -30°	ISO 179/ 1eA	KJ/m <sup>2</sup>	2.5
Vicat Softening Point, 10N	ASTM D1525	°C	132
Ball indentation hardness	ISO 2039-1	MPa	45
HDT ( 0.46 N/mm <sup>2</sup> )	ASTM D648	°C	75
Melting Point , DSC	ASTM D3417	°C	145
Density	ASTM D792	gr/cm <sup>3</sup>	0.91

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