

Product Data and Technical Information



POLYMER TYPE: Polypropylene-Random Crystallinity Temperature Granule (PP-RCT)

GRADE NAME: RG 3240 E

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

PRODUCT FEATURES: This grade has a special crystallinity brought by a special beta-nucleation that shows an improved pressure resistance, especially at high temperatures.

PROCESSING METHOD : Extrusion

Property	Test Method	Unit	Value
MFR (230°C / 2.16 Kg)	ASTM D1238/L	g/10min	0.25 – 0.28
Flexural Modulus	ASTM D790	MPa	800
Tensile Modulus of Elasticity (1 mm/min)	ASTM D638	MPa	750
Tensile Strength at Yield (50 mm/min)	ASTM D638	MPa	21
Tensile Elongation at Yield (50 mm/min)	ASTM D638	%	16
Tensile Elongation at Break (50 mm/min)	ASTM D638	%	> 500
Notched Izod Impact at 23°C	ISO 179	kJ/m ²	60
Notched Izod Impact at 0°C	ISO 179	kJ/m ²	30
Notched Izod Impact at -30°C	ISO 179	kJ/m ²	4
Vicat Softening Point, 10N	ASTM D1525	°C	126
Rockwell Hardness	ASTM D785	R Scale	60
HDT (0.46 N/mm ²)	ASTM D648	°C	80
Melting Point, DSC	ASTM D3417	°C	135
OIT (200°C)	ASTM D3895	min	> 30
Density	ASTM D792	g/cm ³	0.91

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In view of the many factors that may affect processing and application, these data do not relieve the receiver of this information from the responsibility of carrying out their own tests and experiments; neither do they imply and legally binding assurance of certain properties or of suitability for a specific purpose of the products made with or on the basis of the information in this publication."

Regal Petrochemical & Industrial Complex