

Product Data and Technical Information



POLYMER TYPE: Polypropylene Homopolymer Granule

GRADE NAME: RG 1101 XN

APPLICATION: Fine denier staple fibers, continuous filaments, automotive applications

PRODUCT FEATURES: Homopolymer with antigasfading stabilization and inherent UV stability

PROCESSING METHOD: Extrusion

Property	Test Method	Unit	Value
MFR (230 °C/ 2.16 kg)	ASTM D1238/L	g/10min	12.1 – 14.5
Tensile Modulus of Elasticity (1 mm/min)	ASTM D638	MPa	1550
Tensile Strength at Yield (50 mm/min)	ASTM D638	MPa	35
Notched Charpy Impact at 23°C	ISO 179/ 1eA	kJ/m ²	3
Vicat Softening Point, 10N	ASTM D1525	°C	154
HDT (0.46 N/mm ²)	ASTM D648	°C	85
Melting Point, DSC	ASTM D3417	°C	163
Density	ASTM D792	g/cm ³	0.91

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Regal Petrochemical & Industrial Complex