Product Data and Technical Information

POLYMER TYPE: Polypropylene Homopolymer Granule

GRADE NAME: RG 1101 M

APPLICATION: Staple coarse fibers, carpet face yarn, needle felt carpets

PRODUCT FEATURES: Homopolymer with anti-gas fading stabilization and inherent UV stability

PROCESSING METHOD: Extrusion

Property	Test Method	Unit	Value
MFR (230 ˚C/ 2.16 kg)	ASTM D1238/L	g/10min	6.1 - 9
Flexural Modulus	ASTM D790	MPa	1550
Tensile Modulus of Elasticity (1 mm/min)	ASTM D638	MPa	1500
Tensile Strength at Yield (50 mm/min)	ASTM D638	MPa	35
Tensile Elongation at Yield (50 mm/min)	ASTM D638	%	9
Tensile Strength at Break (50 mm/min)	ASTM D638	MPa	23
Tensile Elongation at Break (50 mm/min)	ASTM D638	%	>50
Notched Charpy Impact at 23˚C	ISO 179/ 1eA	kJ/m^2	3.5
Notched Charpy Impact at -30˚C	ISO 179/ 1eA	kJ/m^2	1.6
Vicat Softening Point, 10N	ASTM D1525	˚C	154
Ball indentation hardness	ISO 2039-1	MPa	77
Rockwell Hardness	ASTM D785	R Scale	97
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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