Product Data and Technical Information

POLYMER TYPE: Polypropylene Homopolymer Granule

GRADE NAME: RG 1101 XR

APPLICATION: BCF/CF, POY yarns, Nonwovens, Injection molding of articles

PRODUCT FEATURES: Homopolymer with slightly narrow MWD and resistance to gas fading

PROCESSING METHOD: Extrusion

Property	Test Method	Unit	Value
MFR (230 ˚C/ 2.16 kg)	ASTM D1238/L	g/10min	20.6 - 22
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	34
Tensile Elongation at Yield (50 mm/min)	ASTM D638	%	8
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	2.5
Notched Charpy Impact at -30˚C	ISO 179/ 1eA	kJ/m^2	1.5
Vicat Softening Point, 10N	ASTM D1525	˚C	154
Ball indentation hardness	ISO 2039-1	MPa	78
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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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