Product Data and Technical Information

POLYMER TYPE: Polypropylene Homopolymer Granule

GRADE NAME: RG 1101 R

APPLICATION: BCF/CF, POY yarns, Nonwovens, Injection moulding 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	18.6 – 20.5
Tensile Modulus of Elasticity (1 mm/min)	ASTM D638	MPa	1500
Tensile Strength at Yield (50 mm/min)	ASTM D638	MPa	34
Notched Charpy Impact at 23˚C	ISO 179/ 1eA	kJ/m^2	2.5
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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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