Product Data and Technical Information

POLYMER TYPE: Polypropylene Homopolymer Granule

GRADE NAME: RG 1040 K

APPLICATION: High stiffness & transparent thermoforming and injection moulding applications

PRODUCT FEATURES: Homopolymer contains nucleating agent with high stiffness and mechanical strength

PROCESSING METHOD: Extrusion

Property	Test Method	Unit	Value
MFR (230 ˚C/ 2.16 kg)	ASTM D1238/L	g/10min	2.8 – 3.4
Tensile Modulus of Elasticity (1 mm/min)	ASTM D638	MPa	1900
Tensile Strength at Yield (50 mm/min)	ASTM D638	MPa	38
Elongation at Yield (50 mm/min)	ASTM D638	MPa	7
Notched Charpy Impact at 23˚C	ISO 179/ 1eA	kJ/m^2	3
Vicat Softening Point, 10N	ASTM D1525	˚C	158
HDT (0.46 N/mm^2)	ASTM D648	˚C	108
Melting Point, DSC	ASTM D3417	˚C	165
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