

Regal Petrochemical RG 1102 XK

Polypropylene Homopolymer
Regal Petrochemical Company

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Technical Data

Product Description

APPLICATION: Raffia, tape yarn, technical textiles, carpet backing, diary products
PRODUCT FEATURES: Homopolymer with low water carry over and preferred grade for tapes
PROCESSING METHOD: Extrusion

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
Availability	• Africa & Middle East • Asia Pacific • Europe
Features	• Homopolymer • Low Water Carryover
Uses	• Carpet Backing • Tape • Non-specific Food Applications • Textile Applications • Yarn
Processing Method	• Extrusion • Filament Extrusion

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	0.910 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0 g/10 min	ASTM D1238

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus ³	1550 MPa	ASTM D638
Tensile Strength ⁴ (Yield)	34.0 MPa	ASTM D638
Tensile Elongation ⁴ (Yield)	9.0 %	ASTM D638

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179/1eA
-30°C	1.7 kJ/m ²	
23°C	4.0 kJ/m ²	

Hardness	Nominal Value Unit	Test Method
Ball Indentation Hardness	74.0 MPa	ISO 2039-1

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ASTM D648
0.45 MPa, Unannealed	85.0 °C	
Vicat Softening Temperature	154 °C	ASTM D1525 ⁵
Peak Melting Temperature	163 °C	ASTM D3417

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ 1.0 mm/min

⁴ 50 mm/min

⁵ Loading 1 (10 N)



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Where to Buy

Supplier

Regal Petrochemical Company

Esfahan, Esfahan Iran

Telephone: +98-31-32670023-5

Web: <http://www.regalpetro.com/>

Distributor

Please contact the supplier to find a distributor for Regal Petrochemical RG 1102 XK

