# Regal Petrochemical RG 1102 XK Polypropylene Homopolymer

**Regal Petrochemical Company** 

# **Technical Data**

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APPLICATION: Raffia, tape yarn, te		51	
PRODUCT FEATURES: Homopoly		preferred grade for tapes	
PROCESSING METHOD: Extrusion	n		
Material Status	Commercial: Active		
Literature <sup>1</sup>	Technical Datasheet (Engl	lish)	
Availability	Africa & Middle East	Asia Pacific	Europe
Features	Homopolymer	Low Water Carryover	
Uses	<ul> <li>Carpet Backing</li> <li>Non-specific Food Applica</li> </ul>	• Tape	• Yarn
Processing Method	Extrusion	<ul> <li>Filament Extrusion</li> </ul>	
Physical		Nominal Value Unit	Test Method
Density / Specific Gravity		0.910 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C	C/2.16 kg)	4.0 g/10 min	ASTM D1238
Mechanical		Nominal Value Unit	Test Method
Tensile Modulus <sup>3</sup>		1550 MPa	ASTM D638
Tensile Strength <sup>4</sup> (Yield)		34.0 MPa	ASTM D638
Tensile Elongation <sup>4</sup> (Yield)		9.0 %	ASTM D638
Impact		Nominal Value Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C		1.7 kJ/m²	
23°C		4.0 kJ/m <sup>2</sup>	
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	d		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

<sup>1</sup> 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.

<sup>2</sup> Typical properties: these are not to be construed as specifications.

<sup>3</sup> 1.0 mm/min

<sup>4</sup> 50 mm/min

<sup>5</sup> 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



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