

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