

REPOL® H030SG

Polypropylene Homopolymer
Reliance Industries Limited

PROSPECTOR®

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Technical Data

Product Description

Repol H030SG is recommended for Raffia Tapes used in making woven fabrics for sacking, carpet backing, industrial packaging and geotextile applications. Repol H030SG combines good processability on water bath and chill-roll with excellent mechanical properties. Formulated for low water carry-over.

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
Search for UL Yellow Card	• Reliance Industries Limited • REPOL®
Availability	• Asia Pacific
Features	• Food Contact Acceptable • Good Processability • Low Water Carryover
Uses	• Carpet Backing • Monofilaments • Tape • Industrial Applications • Packaging
Agency Ratings	• FDA 21 CFR 177.1520 • IS 10909 • IS 10910

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.4 g/10 min	3.4 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ³ (Yield, Injection Molded)	4930 psi	34.0 MPa	ASTM D638
Tensile Elongation ³ (Yield, Injection Molded)	10 %	10 %	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	239000 psi	1650 MPa	ASTM D790A
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), Injection Molded	0.75 ft·lb/in	40 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed	219 °F	104 °C	ASTM D648

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 Type I, 2.0 in/min (50 mm/min)

