

REPOL® H030SG
Polypropylene Homopolymer
Reliance Industries Limited



Prospector

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		
Availability	• Asia Pacific		
Features	• Food Contact Acceptable	• Good Processability	• Low Water Carryover
Uses	• Carpet Backing • Industrial Applications	• Monofilaments • Packaging	• Tape
Agency Ratings	• FDA 21 CFR 177.1520	• IS 10909	• IS 10910

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.4	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Injection Molded)	34.0	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	10	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1650	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	40.0	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	104	°C	ASTM D648

Notes

¹ Typical properties: these are not to be construed as specifications.

² Type I, 50 mm/min

Revision History

Document Created: Monday, March 01, 2010
 Added to Prospector: November, 2003
 Last Updated: 3/25/2009