

Reliance[®] H030SG

REPOL Polypropylene H030SG is manufactured using Unipol PP process which combines the production efficiency of gas phase fluidized bed reactor technology with the high activity stereospecific catalyst system. Repol H030SG is recommended for Raffia Tapes used in making woven fabrics for sacking, carpet backing, industrial packaging and geotextile applications.

Physical Properties	Metric	English	Comments
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 230 °C	3.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	35.0 MPa	5080 psi	50mm/min; ASTM D638

Elongation at Yield	10 %	10 %	50mm/min; ASTM D638
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Flexural Modulus, 1% Secant	1650 MPa	239000 psi	ASTM D790A
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Izod Impact, Notched	0.400 J/cm @Temperature 23.0 °C	0.749 ft-lb/in @Temperature 73.4 °F	ASTM D256
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Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	104 °C	219 °F	ASTM D648