

REPOL® H026SG

Polypropylene Homopolymer

Reliance Industries Limited

Message:

REPOL Polypropylene H026SG 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 H026SG is recommended for Raffia Tapes used in making fabrics for big bags / FIBCs, geotextiles, carpet backing and ropes.

Repol H026SG combines good processability on water bath and chill-roll with excellent mechanical properties. Formulated for low water carry-over.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Homopolymer		
	Low Water Carryover		
Uses	Bags		
	Carpet Backing		
	Rope		
	Tape		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10909		
	IS 10910		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.6	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	34.0	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	10	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1700	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	104	°C	ASTM D648
Peak Melting Temperature ³	166	°C	ASTM D3418
NOTE			
1.	Type I, 50 mm/min		

2.	Type I, 50 mm/min
3.	Second Heating

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