

Safron® H511-03

Polypropylene Homopolymer

Safripol (PTY) LTD

Message:

H511-03 Polypropylene Resin is a homopolymer developed for the production of slit film tapes. H511-03 Polypropylene Resin offers excellent processability and low water carry-over. H511-03 Polypropylene Resin is also suitable for the production of water quenched blown film and monofilaments.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Homopolymer		
	Low Water Carryover		
Uses	Carpet Backing		
	Fabrics		
	Film		
	Monofilaments		
	Rope		
	Slit-Film Fiber		
	Tape		
	Textile Applications		
Agency Ratings	EU 2002/72/EC		
	Blown Film		
Processing Method	Filament Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.3	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	31.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	8.5	%	ISO 527-2
Flexural Modulus (Injection Molded)	1350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	5.8	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			

0.45 MPa, Unannealed	78.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	54.0	°C	ISO 75-2/A
Vicat Softening Temperature ²	90.0	°C	ISO 306/B
NOTE			
1.	Injection Molded		
2.	Injection Molded		

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