

Safron® H506-04

Polypropylene Homopolymer

Safripol (PTY) LTD

Message:

Safron® H506-04 Polypropylene Resin is a homopolymer developed for the production of slit film tapes. It offers excellent processability with low water carry-over.
Safron® H506-04 Polypropylene Resin is also suitable for the production of water quenched blown film and monofilaments.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Low Water Carryover		
Uses	Bags		
	Carpet Backing		
	Fabrics		
	Film		
	Industrial Applications		
	Monofilaments		
	Rope		
	Tape		
	Twine		
Agency Ratings	EU 10/2011		
	FDA 21 CFR 177.1520(c) 1.1a		
Processing Method	Blown Film		
	Film 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)	3.9	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	34.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	9.8	%	ISO 527-2
Flexural Modulus (Injection Molded)	1320	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	4.4	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	88.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	54.0	°C	ISO 75-2/A
Vicat Softening Temperature ²			
	153	°C	ISO 306/A
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	185	°C	
Cylinder Zone 2 Temp.	210	°C	
Cylinder Zone 3 Temp.	245	°C	
Cylinder Zone 4 Temp.	245	°C	
Die Temperature	240	°C	
NOTE			
1.	Injection Molded		
2.	Injection Molded		

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