

Safron® H500-25RG

Polypropylene Homopolymer

Safripol (PTY) LTD

Message:

Safron® H500-25RG Polypropylene Resin is a controlled rheology polypropylene homopolymer resin suitable for the production of fibres and filaments on long- and short-spinning lines.
Safron® H500-25RG Polypropylene Resin offers excellent processability at melt temperatures between 220 and 280 degrees C.

General Information	
Features	Controlled Rheology
	Food Contact Acceptable
	Good Processability
	Homopolymer
Uses	Agricultural Applications
	BCF Yarn
	Carpet Backing
	Fibers
	Filaments
	Filtration Media
	Nonwovens
	Spunbond Nonwovens
	Staple Fibers
Agency Ratings	EU 10/2011
	FDA 21 CFR 177.1520(c) 1.1a
Appearance	Natural Color
Processing Method	Fiber (Spinning) Extrusion
	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)	26	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)	8.0	%	ISO 527-2
Flexural Modulus (Injection Molded)	1370	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C, Injection Molded)	3.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	75.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	51.0	°C	ISO 75-2/A
Vicat Softening Temperature	83.0	°C	ISO 306/B
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	200	°C	
Cylinder Zone 2 Temp.	200 to 270	°C	
Cylinder Zone 3 Temp.	220 to 300	°C	
Cylinder Zone 4 Temp.	240 to 300	°C	
Die Temperature	250	°C	

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