

Safron® H707-12NSM

Polypropylene Homopolymer

Safripol (PTY) LTD

Message:

Safron® H707-12NSM Polypropylene Resin is a medium to high flow homopolymer developed for injection moulding. It is nucleated for applications requiring higher rigidity and allows for faster cycles.
Furthermore Safron® H707-12NSM Polypropylene Resin is formulated for easy de-moulding and contains a slip additive.

General Information			
Additive	Nucleating agent		
	slip agent		
Features	Nucleated		
	smoothness		
	Homopolymer		
	Fast molding cycle		
	Good liquidity		
	Compliance of Food Exposure		
	Good demoulding performance		
	Medium hardness		
Uses	Electrical appliances		
	Outdoor furniture		
	Shield		
	Household goods		
	Container		
	Shell		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1a		
	Europe 10/1/2011 12:00:00 AM		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	30.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	7.5	%	ISO 527-2
Flexural Modulus (Injection Molded)	1500	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	2.3	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, not annealed	80.0	°C	ISO 75-2/B
1.8 MPa, not annealed	55.0	°C	ISO 75-2/A
Vicat Softening Temperature ²	85.0	°C	ISO 306/B
Injection	Nominal Value	Unit	
Rear Temperature	180 - 200	°C	
Middle Temperature	220 - 230	°C	
Front Temperature	240 - 260	°C	
Nozzle Temperature	240	°C	
Injection instructions			
Zone 4 Temperature: 250°C			
NOTE			
1.	Injection Molded		
2.	Injection Molded		

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Recommended distributors for this material

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