

Safron® H106-02NSA

Polypropylene Homopolymer

Safripol (PTY) LTD

Message:

Safron® H106-02NSA Polypropylene Resin is a grade designed specifically for carbonated closure applications. The material is highly nucleated offering fast cycle times and also contains slip and anti-static additives. It exhibits a combination of high stiffness and toughness properties, as well as outstanding processing characteristics.

Safron® H106-02NSA Polypropylene Resin may also be used for selected injection moulding applications other than closures.

General Information			
Additive	Nucleating agent		
	Antistatic property		
	slip agent		
Features	Nucleated		
	Rigidity, high		
	smoothness		
	Homopolymer		
	Antistatic property		
	Workability, good		
	Fast molding cycle		
	Good toughness		
Uses	Compliance of Food Exposure		
Agency Ratings	Industrial application		
	Shell		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1a		
	Europe 10/1/2011 12:00:00 AM		
Appearance	Natural color		
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)	2.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	35.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	7.0	%	ISO 527-2
Flexural Modulus (Injection Molded)	1480	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179/1eA
0°C, injection molding	2.2	kJ/m ²	ISO 179/1eA
23°C, injection molding	6.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, not annealed	83.0	°C	ISO 75-2/B
1.8 MPa, not annealed	55.0	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Rear Temperature	190	°C	
Middle Temperature	230 - 240	°C	
Front Temperature	240 - 260	°C	
Nozzle Temperature	240	°C	
Injection instructions			
Zone 4 Temperature: 270°C			
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	200	°C	
Cylinder Zone 2 Temp.	200 - 270	°C	
Cylinder Zone 3 Temp.	220 - 300	°C	
Cylinder Zone 4 Temp.	240 - 300	°C	
Die Temperature	250	°C	
NOTE			
1.	Injection Molded		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

