

Safron® C722-07NA

Polypropylene Impact Copolymer

Safripol (PTY) LTD

Message:

Safron® C722-07NA Polypropylene Resin is a nucleated impact copolymer with high impact strength, good flow and a narrow molecular mass distribution used for general purpose complex injection moulding applications where toughness is required. The narrow MWD leads to a high dimensional stability in complicated articles.

Safron® C722-07NA Polypropylene Resin contains an antistatic additive.

General Information			
Additive	Nucleating agent		
	Antistatic property		
Features	Nucleated		
	Good dimensional stability		
	Impact copolymer		
	Antistatic property		
	Impact resistance, high		
	Good liquidity		
	Good toughness		
	Compliance of Food Exposure		
	Narrow molecular weight distribution		
Uses	Battery box		
	Electrical appliances		
	Household goods		
	Container		
	General		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
	Europe 10/1/2011 12:00:00 AM		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	26.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	8.0	%	ISO 527-2
Flexural Modulus (Injection Molded)	1250	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C, injection molding	5.5	kJ/m ²	ISO 179/1eA
23°C, injection molding	11	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, not annealed	72.0	°C	ISO 75-2/B
1.8 MPa, not annealed	52.0	°C	ISO 75-2/A
Vicat Softening Temperature ²	66.0	°C	ISO 306/B
Injection	Nominal Value	Unit	
Rear Temperature	190	°C	
Middle Temperature	220 - 240	°C	
Front Temperature	240 - 260	°C	
Nozzle Temperature	260	°C	
Injection instructions			
Zone 4 Temperature: 260 to 270°C			
NOTE			
1.	Injection Molded		
2.	Injection Molded		

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Recommended distributors for this material

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