

Safron® C740-25RNA

Polypropylene Impact Copolymer

Safripol (PTY) LTD

Message:

Safron® C740-25RNA Polypropylene Resin is a nucleated impact copolymer suitable for thin walled containers requiring impact performance. It is characterized by high impact properties and is produced using controlled rheology allowing for a narrow MWD (molecular weight distribution). This imparts dimensional stability to mouldings.

Safron® C740-25RNA Polypropylene Resin contains an antistatic package.

General Information			
Additive	Nucleating agent		
	Antistatic property		
Features	Nucleated		
	Good dimensional stability		
	Impact copolymer		
	Antistatic property		
	Impact resistance, high		
	Controlled rheology		
	Compliance of Food Exposure		
	Narrow molecular weight distribution		
Uses	Thin wall container		
	Industrial container		
	Food container		
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)	25	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Injection Molded)	58		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	20.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	5.0	%	ISO 527-2
Flexural Modulus (Injection Molded)	900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179/1eA
-20°C, injection molding	5.5	kJ/m ²	ISO 179/1eA
0°C, injection molding	7.0	kJ/m ²	ISO 179/1eA
23°C, injection molding	10	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	78.0	°C	ISO 75-2/B
1.8 MPa, not annealed	50.0	°C	ISO 75-2/A
Vicat Softening Temperature ¹			
--	144	°C	ISO 306/A
--	66.0	°C	ISO 306/B
Injection	Nominal Value	Unit	
Rear Temperature	190	°C	
Middle Temperature	220 - 240	°C	
Front Temperature	240 - 250	°C	
Nozzle Temperature	240	°C	
Injection instructions			
Zone 4 Temperature: 260°C			
NOTE			
1.	Injection Molded		

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