

Safron® C770-70RNA

Polypropylene Impact Copolymer

Safripol (PTY) LTD

Message:

Safron® C770-70RNA Polypropylene Resin is a high performance impact copolymer developed especially for high speed thin wall injection moulding. It is a very high melt flow rate impact copolymer featuring good impact strength. Safron® C770-70RNA Polypropylene Resin is designed and formulated to allow for easy processing, short cycle times, and good part dimensional stability.

Safron® C770-70RNA Polypropylene Resin contains an effective anti-static package.

General Information			
Additive	Antistatic property		
Features	Good dimensional stability		
	Impact copolymer		
	Antistatic property		
	Impact resistance, good		
	Workability, good		
	Fast molding cycle		
	High liquidity		
	Compliance of Food Exposure		
Uses	Thin wall packaging		
	Thin wall container		
	Lawn and Garden Equipment		
	Cover		
	Shield		
	Household goods		
	Food packaging		
	Shell		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
	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)	70	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Injection Molded)	60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	21.0	MPa	ISO 527-2

Tensile Strain (Yield, Injection Molded)	5.0	%	ISO 527-2
Flexural Modulus (Injection Molded)	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C, injection molding	4.2	kJ/m ²	ISO 179/1eA
0°C, injection molding	5.0	kJ/m ²	ISO 179/1eA
23°C, injection molding	7.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹ (0.45 MPa, Unannealed)	70.0	°C	ISO 75-2/B
Vicat Softening Temperature ²	146	°C	ISO 306/A
Injection	Nominal Value	Unit	
Rear Temperature	190	°C	
Middle Temperature	220 - 240	°C	
Front Temperature	240 - 260	°C	
Nozzle Temperature	240	°C	
Injection instructions			
Zone 4 Temperature: 260°C			
NOTE			
1.	Injection Molded		
2.	Injection Molded		

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