

Safron® C765-15NA

Polypropylene Impact Copolymer

Safripol (PTY) LTD

Message:

Safron® C765-15NA Polypropylene Resin is a high performance impact copolymer developed for injection moulding applications. C765-15NA Polypropylene Resin has an improved balance of mechanical properties featuring outstanding stiffness and high impact strength which is maintained even at low temperatures.

Safron® C765-15NA Polypropylene Resin offers an improvement in stiffness over conventional impact copolymers with comparable flow and toughness. It also contains an antistatic additive.

General Information			
Additive	Antistatic property		
Features	Super rigidity		
	Impact copolymer		
	Antistatic property		
	Impact resistance, high		
	Good liquidity		
	Low temperature impact resistance		
	Thermal stability, good		
	Good toughness		
	Compliance of Food Exposure		
Uses	Packaging		
	Thin wall container		
	Electrical appliances		
	Composite		
	Household goods		
	Barrel		
	Toys		
	Loading box		
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)	15	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Injection Molded)	66		ISO 868

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	26.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	10	%	ISO 527-2
Flexural Modulus (Injection Molded)	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C, injection molding	6.5	kJ/m ²	ISO 179/1eA
23°C, injection molding	12	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹ (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
Vicat Softening Temperature ²	150	°C	ISO 306/A
Injection	Nominal Value	Unit	
Rear Temperature	190	°C	
Middle Temperature	220 - 250	°C	
Front Temperature	250 - 270	°C	
Nozzle Temperature	240	°C	
Injection instructions			
Zone 4 Temperature: 260°C			
NOTE			
1.	Injection Molded		
2.	Injection Molded		

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