

SureSpec IP-350NA

Polypropylene Impact Copolymer

Genesis Polymers

Message:

IP-350NA is a nucleated impact copolymer certified prime resin designed for general purpose injection molding applications requiring good balance of stiffness and impact resistance. IP-350NA is formulated with Antistatic to protect against dust build-up and offers fast cycling, good processability, high flow rate and very good dimensional stability. IP-350NA complies with FDA regulation 21CFR 177.1520 (a)(3)(i) / (c)3.1 + 3.2, and most international regulations concerning the use of Polypropylene in contact with food.

General Information			
Additive	Antistatic Nucleating Agent		
Features	Antistatic		
	Fast Molding Cycle		
	Food Contact Acceptable		
	General Purpose		
	Good Dimensional Stability		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	High Flow		
	Impact Copolymer		
	Nucleated		
Uses	General Purpose		
Agency Ratings	FDA 21 CFR 177.1520(a) 3 (i)		
	FDA 21 CFR 177.1520(c) 3.1		
	FDA 21 CFR 177.1520(c) 3.2		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	87		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	28.6	MPa	ASTM D638
Tensile Elongation ² (Yield)	7.0	%	ASTM D638

Flexural Modulus - 1% Secant ³	1520	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	118	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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