SureSpec IP-020NB

Polypropylene Impact Copolymer

Genesis Polymers

Message:

IP-020NB is a nucleated Polypropylene blow molding no break certified prime resin developed for Extra High Izod Impact containers produced by Thermoforming, Extrusion-Blow or Injection-Blow molding equipment. IP-020NB has high melt strength offering optimized melt stability for consistent, easy processability, and Very Good Low Temperature Drop Impact resistance. IP-020NB complies with FDA regulation 21CFR 177.1520 (a)(3)(i) (c)3.1+3.2, and most international regulations concerning Polypropylene use in contact with food.

General Information	
Additive	Nucleating Agent
Features	Food Contact Acceptable Good Melt Strength Good Processability Impact Copolymer Low Temperature Impact Resistance Nucleated Ultra High Impact Resistance
Uses	Containers
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	Extrusion Blow Molding Injection Blow Molding Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	82		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield)	29.6	MPa	ASTM D638
Tensile Elongation [2] (Yield)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant [3]	1240	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	No Break		ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	88.0	°C	ASTM D648

NOTE	
1.	50 mm/min
2.	50 mm/min
3.	1.3 mm/min

Recommended distributors for this material

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WECHAT