

Ineos N12Z-00 Polypropylene Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

N12Z-00 impact copolymer polypropylene is a medium melt flow rate, nucleated and antistatic product designed for injection molding applications. This resin meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520. Applications: Housewares, consumer goods including storage container and lids Appliance housings Rigid packing requiring exceptional toughness Material handling products (crates and pails) Benefits: High impact resistance Very good stiffness Excellent mold release Good static dissipation Information provided by Ineos Olefins & Polymers USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-N12Z-00-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 Å°C	12 g/10 min @Load 4.76 lb, Temperature 446 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	63	63	ASTM D785
Tensile Strength, Yield	22.6 MPa	3280 psi	ASTM D638
Elongation at Yield	7.2 %	7.2 %	ASTM D638
Flexural Modulus	1.020 GPa	148.0 ksi	ASTM D790A
Izod Impact, Notched	0.796 J/cm @Temperature -20.0 Å°C	1.49 ft-lb/in @Temperature -4.00 Å°F	1/8" (3mm) notched bar; ASTM D256
	NB @Temperature 23.0 Å°C	NB @Temperature 73.4 Å°F	1/8" (3mm) notched bar; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	94.7 Å°C	202 Å°F	ASTM D648

Descriptive Properties	Value	Comments
Dynatup Instrumented Impact	Ductile	23Å°C, mode of failure
	Ductile	-20Å°C, mode of failure
Process	Injection Molding	

Descriptive Properties	Value	Comments Polymers Distribution
	US & Canada	Bamberger Polymers Distribution

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