

Ineos N12N-00 Polypropylene Impact Copolymer

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

Material Notes:

Grade N12N-00 is a nucleated polypropylene impact copolymer with an excellent balance of stiffness and impact resistance for injection molding applications and compounding products used in Lawn and Garden applications. It has good stiffness and excellent impact resistance even at sub ambient temperature. This meets the requirements of U.S. Food and Drug Administration as specified in 21 CFR 177.1520. Applications: General purpose injection molding Compounding Lawn and Garden applications Consumer products Benefits: Excellent impact to stiffness balance Low temperature impact resistance Information provided by Ineos Olefins & Polymers USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-N12N-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	72	72	ASTM D785
Tensile Strength, Yield	23.6 MPa	3430 psi	ASTM D638
Elongation at Yield	6.0 %	6.0 %	ASTM D638
Tensile Modulus	1.32 GPa	191 ksi	ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	ASTM D790A
Izod Impact, Notched	1.01 J/cm	1.90 ft-lb/in	1/8" (3mm) notched bar; ASTM D256
	NB	NB	1/8" (3mm) notched bar; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	92.3 Å°C	198 Å°F	ASTM D648

Optical Properties	Metric	English	Comments
Gloss	64.5 %	64.5 %	60Å° angle; ASTM D523

Descriptive Properties	Value	Comments
Process	Injection Molding	

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

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