

Ineos N20N-00 Polypropylene Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

This is a high melt flow rate, nucleated polypropylene impact copolymer formulated for improved flowability. It has an optimum balance of stiffness and impact resistance for injection molded applications. This grade is vis broken and has antistat and a slip agent. It is particularly well suited for the Materials Handling industry in applications such as crates for food transport and storage. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520. Applications: Materials handling products (crates), Consumer products (pails, small containers), Industrial applications. Benefits: Medium to High impact resistance, Good impact to stiffness balance, Superior moldability. Information provided by Ineos Olefins & Polymers USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-N20N-00-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 Å°C	20 g/10 min @Load 4.76 lb, Temperature 446 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	61	61	ASTM D785
Tensile Strength, Yield	20.7 MPa @Temperature 23.0 Å°C	3000 psi @Temperature 73.4 Å°F	ASTM D638
Elongation at Yield	5.9 %	5.9 %	ASTM D638
Flexural Modulus, 1% Secant	965 MPa @Temperature 23.0 Å°C	140000 psi @Temperature 73.4 Å°F	0.05 in/min test speed
Izod Impact, Notched	1.39 J/cm @Temperature -20.0 Å°C	2.60 ft-lb/in @Temperature -4.00 Å°F	1/8" notched bar; ASTM D256
	NB @Temperature 23.0 Å°C	NB @Temperature 73.4 Å°F	1/8" notched bar; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	85.0 Å°C	185 Å°F	ASTM D648

Descriptive Properties	Value	Comments
Instrumented Impact (Dynatup)	Ductile	23Â°C, D3763
	Ductile	negative 20Â°C, D3763
Process	Injection Molding	
Region	Mexico	Bamberger Polymers Distribution
	US & Canada	Bamberger Polymers Distribution

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