

Ineos N20L-00 Polypropylene Impact Copolymer

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

Material Notes:

This is a nucleated polypropylene impact copolymer formulated with a slip agent for improved mold release, and has an optimum balance of stiffness and impact resistance for injection molding applications. It is particularly well suited for Material Handling 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 Consumer products Material handling products Industrial applications Benefits Good impact to stiffness balance Lubricated for improved mold release Information provided by Ineos Olefins & Polymers USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-N20L-00-Polypropylene-Impact-Copolymer.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	61	61	ASTM D785
Tensile Strength, Yield	21.1 MPa	3060 psi	ASTM D638
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Elongation at Yield	5.4 %	5.4 %	ASTM D638
Flexural Modulus, 1% Secant	979 MPa	142000 psi	0.05 in/min test speed
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Izod Impact, Notched	1.44 J/cm	2.70 ft-lb/in	1/8" notched bar; ASTM D256
	@Temperature -20.0 Å°C	@Temperature -4.00 Å°F	
	NB	NB	1/8" notched bar; ASTM D256
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	86.7 Å°C	188 Å°F	ASTM D648

Descriptive Properties	Value	Comments
Instrumented Impact (Dynatup)		23Å°C, D3763

Descriptive Properties	Ductile Value	Comments
	Ductile	negative 20°C, D3763

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