

Ineos N10N-00 Polypropylene Impact Copolymer

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

Material Notes:

Grade N10N-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 material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-N10N-00-Polypropylene-Impact-Copolymer.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	71.8	71.8	
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	Tangent Method; ASTM D638
Flexural Modulus, 1% Secant	1100 MPa	160000 psi	0.05"/min test speed; ASTM D790A
Izod Impact, Notched	1.01 J/cm	1.90 ft-lb/in	1/8" (3mm) notched bar; ASTM D256
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	6.03 J/cm	11.3 ft-lb/in	1/8" (3mm) notched bar; ASTM D256
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	92.28 Â°C	198.1 Â°F	ASTM D648

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

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