

Ineos N05G-00 Polypropylene Impact Copolymer

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

Material Notes:

Grade N05G-00 is a general purpose high impact copolymer polypropylene for injection molding applications. It offers a superior balance of stiffness and impact strength as compared to competitive impact copolymers of similar melt flow rate. This material meets the requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1520. Applications Appliances Automotive Consumer products Rigid packaging Housewares Benefits Enhanced impact Enhanced stiffness

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-N05G-00-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 230 Å°C	5.0 g/10 min @Load 4.76 lb, Temperature 446 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	77	77	ASTM D785
Tensile Strength, Yield	26.2 MPa	3800 psi	ASTM D638
Elongation at Break	>= 500 %	>= 500 %	ASTM D638
Flexural Modulus	1.24 GPa	180 ksi	ASTM D790B
Izod Impact, Notched	NB @Diameter 3.17 mm	NB @Diameter 0.125 in	bar; ASTM D256
	0.534 J/cm @Diameter 3.00 mm, Temperature -20.0 Å°C	1.00 ft-lb/in @Diameter 0.118 in, Temperature -4.00 Å°F	bar; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	98.9 Å°C	210 Å°F	ASTM D648

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

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