

Ineos N00N-00 Polypropylene Impact Copolymer

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

Material Notes:

Grade N00N-00 is a fractional melt flow rate, high impact copolymer polypropylene specifically designed for non-pressure structured wall pipe but can also be used in other extrusion applications requiring high melt strength and high stiffness. It offers a superior balance of stiffness and impact strength as compared to competitive impact copolymers of similar melt flow rate. Applications: Non-pressure pipe and fittings Sheet extrusion Blow molding Benefits and Features: Very high stiffness Good impact resistance High melt strength Very good long term stability Information provided by Ineos Olefins & Polymers USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-N00N-00-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Oxidative Induction Time (OIT)	>= 70 min	>= 70 min	ASTM 3895
	@Temperature 200 Â°C	@Temperature 392 Â°F	
Melt Flow	0.35 g/10 min	0.35 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	96	96	ASTM D785
Tensile Strength at Break	23.4 MPa	3400 psi	ASTM D638
Tensile Strength, Yield	33.1 MPa	4800 psi	ASTM D638
Elongation at Yield	>= 8.5 %	>= 8.5 %	ASTM D638
Flexural Modulus	1.29 GPa	187 ksi	2% Secant, Injection Molded Sample, 0.05 in/min test speed; ASTM D790
	1.45 GPa	211 ksi	1% Secant, Injection Molded Sample, 0.05 in/min test speed; ASTM D790
	1.54 GPa	223 ksi	Tangent, Injection Molded Sample, 0.05 in/min test speed; ASTM D790
Izod Impact, Notched	1.01 J/cm	1.90 ft-lb/in	ASTM D256
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	NB	NB	ASTM D256
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	56.0 °C	133 °F	ASTM D256
Deflection Temperature at 1.8 MPa (264 psi)	56.0 °C	133 °F	ASTM D256

Descriptive Properties	Value	Comments
Process	Blow Molding	
	Pipe Extrusion	
	Sheet Extrusion	
Region	Mexico	Bamberger Polymers Distribution
	US & Canada	Bamberger Polymers Distribution

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