

Ineos N05U-00 Polypropylene Impact Copolymer

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

Material Notes:

This is an extrusion-grade nucleated impact copolymer polypropylene resin designed for fiber optic buffer tube applications in the protection of glass fibers. It also has an excellent impact/stiffness property balance and provides the high compression strength required to meet the Bellcore GR-20-CORE standard (Generic Requirements for Optical Fiber and Fiber Optic Cable). Applications Buffer tubes Filler rods Core jackets Benefits Oxidative stability UV stabilized ESCR Good balance of stiffness and impact strength Information provided by Ineos Olefins & Polymers USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-N05U-00-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	5.0 g/10 min	5.0 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	81	81	ASTM D785
Tensile Strength, Yield	27.6 MPa	4000 psi	ASTM D638
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Elongation at Break	>= 500 %	>= 500 %	ASTM D638
Flexural Modulus	1.31 GPa	190 ksi	D790B
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Izod Impact, Notched	0.534 J/cm	1.00 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)	113 Å°C	235 Å°F	ASTM D648

Descriptive Properties	Value	Comments
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Process

Descriptive Properties	Extrusion Value	Comments
Region	Mexico	Bamberger Polymers Distribution
	US & Canada	Bamberger Polymers Distribution

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China