

Ineos 3560 Polypropylene Impact Copolymer

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

Material Notes:

This is a special high melt flow, nucleated, high impact copolymer polypropylene for injection molding applications. It offers excellent impact resistance and a high flexural modulus. Applications Automotive Consumer products Industrial applications Benefits High impact resistance High flexural modulus Information provided by Ineos Olefins & Polymers USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-3560-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	49	49	ASTM D785
Tensile Strength, Yield	20.0 MPa	2900 psi	ASTM D638
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Elongation at Break	80 %	80 %	ASTM D638
Flexural Modulus	1.17 GPa	170 ksi	D790B
Izod Impact, Notched	0.908 J/cm	1.70 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)	102 Å°C	215 Å°F	ASTM D648

Descriptive Properties	Value	Comments
Multi-axial Instrumented Impact (10.9 ft/s)	13.2	negative 20Å°C, energy at max load, D3763
	ductile	failure mode, D3763

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