

Ineos H38K-00 Polypropylene Homopolymer, Fiber Grade (discontinued **)

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Fiber Grade

Material Notes:

Suggested fabrication methods: Fiber spinning
 Features: Very high speed spinning, Low gas fade, Low smoke
 Typical applications: Spunbound fabrics
 Complies with FDA specification, Title 21, CFR 177.1520.
 Typical property data below from injection molded samples.
 The polypropylene and polyethylene products of BP Amoco have been moved to the Innovene Division in 2005.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-H38K-00-Polypropylene-Homopolymer-Fiber-Grade-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.886 - 0.926 g/cc	0.0320 - 0.0335 lb/in ³	ASTM D1505
Water Absorption	<= 0.010 %	<= 0.010 %	24 hours; ASTM D570
Linear Mold Shrinkage	0.010 - 0.025 cm/cm	0.010 - 0.025 in/in	ASTM D955
Melt Flow	38 g/10 min @Load 2.16 kg, Temperature 230 °C	38 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	79 - 108	79 - 108	Normal range for injection molding resins; ASTM D785
Tensile Strength, Yield	33.0 MPa	4790 psi	ASTM D638
Elongation at Break	20 %	20 %	ASTM D638
Elongation at Yield	9.0 %	9.0 %	ASTM D638
Flexural Modulus	1.38 GPa	200 ksi	ASTM D790A
Izod Impact, Notched	0.200 - 0.300 J/cm @Diameter 3.17 mm	0.375 - 0.562 ft-lb/in @Diameter 0.125 in	bar; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.0 °C	199 °F	ASTM D648

Descriptive Properties	Value	Comments
Process	Fiber Spinning	

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