

Ineos H00M-01 Polypropylene Homopolymer (discontinued **)

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

Material Notes:

Suggested fabrication methods: Extrusion; Thermoforming
 Features: High melt strength, High stiffness, Medium-term heat aging
 Complies with FDA specification, Title 21, CFR 177.1520.
 Typical applications: Thick sheet, Fabricated parts, Strapping
 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-H00M-01-Polypropylene-Homopolymer-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	0.47 g/10 min @Load 2.16 kg, Temperature 230 °C	0.47 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	39.0 MPa	5660 psi	ASTM D638
Elongation at Break	28 %	28 %	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus	1.70 GPa	247 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

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	102 °C	216 °F	ASTM D648

Descriptive Properties	Value	Comments
Process	Extrusion/Thermoforming	

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