

Ineos H05A-00 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Grade H05A-00 is an antistatic polypropylene homopolymer for injection molding & extrusion applications. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520 and is Drug Master file listed. Suggested fabrication methods: Injection molding; Extrusion. Features: Antistatic. Typical applications: Closures, Tubing. Complies with FDA specification, Title 21, CFR 177.1520. Typical property data below from injection molded samples.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-H05A-00-Polypropylene-Homopolymer.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	4.7 g/10 min @Load 2.16 kg, Temperature 230 Â°C	4.7 g/10 min @Load 4.76 lb, Temperature 446 Â°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	36.0 MPa	5220 psi	ASTM D638
Elongation at Break	>= 500 %	>= 500 %	ASTM D638
Elongation at Yield	9.0 %	9.0 %	ASTM D638
Flexural Modulus	1.48 GPa	215 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
Maximum Service Temperature, Air	65.0 Â°C	149 Â°F	UL Relative Thermal Index
Deflection Temperature at 0.46 MPa (66 psi)	102 Â°C	216 Â°F	ASTM D648
Flammability, UL94	HB	HB	

Descriptive Properties	Value	Comments
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Descriptive Properties	Value	ion	Comments
	Injection Molding		
Region	Mexico		Bamberger Polymers Distribution
	US & Canada		Bamberger Polymers Distribution

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