

Ineos H13M-00 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Grade H13M-00 is a general purpose polypropylene homopolymer for injection molding applications. It provides good long-term heat stability. Suggested fabrication methods: Injection molding. Features: Long-term heat aging. Typical applications: Packaging, Closures, Consumer products. 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-H13M-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	13.5 g/10 min @Load 2.16 kg, Temperature 230 Â°C	13.5 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	37.0 MPa	5370 psi	ASTM D638
Elongation at Break	>= 200 %	>= 200 %	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Modulus	1.59 GPa	231 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	100 Â°C	212 Â°F	UL Relative Thermal Index
Deflection Temperature at 0.46 MPa (66 psi)	104 Â°C	219 Â°F	ASTM D648
Flammability, UL94	HB	HB	

Descriptive Properties	Value	Comments
Process	Injection Molding	

Descriptive Properties	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