

Ineos H20E-00 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

This is a homopolymer containing antistatic designed for injection molding. This material meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520. Applications General purpose injection molding Caps and closures Thin wall containers Benefits Improved processability Good mold release Information provided by Ineos Olefins & Polymers USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-H20E-00-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.904 g/cc	0.0327 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.010 - 0.025 cm/cm	0.010 - 0.025 in/in	ASTM D955
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	79 - 108	79 - 108	ASTM D785
Tensile Strength at Break	15.9 MPa	2310 psi	2 in/min; ASTM D638
Tensile Strength, Yield	34.5 MPa @Temperature 23.0 °C	5000 psi @Temperature 73.4 °F	2 in/min; ASTM D638
Elongation at Break	160 %	160 %	2 in/min; ASTM D638
Elongation at Yield	10.2 %	10.2 %	2 in/min; ASTM D638
Flexural Modulus	1.48 GPa @Temperature 23.0 °C	215 ksi @Temperature 73.4 °F	1% Secant; ASTM D790A
Izod Impact, Notched	0.267 J/cm @Temperature 23.0 °C	0.500 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	92.2 °C	198 °F	ASTM D648

Optical Properties	Metric	English	Comments
Gloss	93 %	93 %	60° Angle; ASTM D2457

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

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