

Ineos H20Z-03 Polypropylene Homopolymer

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

Material Notes:

This is a homopolymer containing nucleation and antistatic. It is designed for injection molding and meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520. Applications General purpose injection molding Consumer products Rigid packaging Benefits Improved processability Good mold release Reduced cycle time Information provided by Ineos Olefins & Polymers USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-H20Z-03-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.904 - 0.908 g/cc	0.0327 - 0.0328 lb/in ³	ASTM D1505
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 Â°C	20 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	68 - 108	68 - 108	ASTM D785
Tensile Strength, Yield	37.8 MPa @Temperature 23.0 Â°C	5480 psi @Temperature 73.4 Â°F	ASTM D638
Elongation at Yield	6.2 %	6.2 %	ASTM D638
Flexural Modulus	1.52 GPa @Temperature 23.0 Â°C	220 ksi @Temperature 73.4 Â°F	ASTM D790A
Izod Impact, Notched	0.187 - 0.320 J/cm @Temperature 23.0 Â°C	0.350 - 0.600 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	126 Â°C	258 Â°F	ASTM D648

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