

Ineos H03G-01 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

This is a homopolymer designed for tenter frame BOPP processing and meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520. Applications Food packaging Overwrap Metallized film Benefits Barefoot Good optical properties High strength properties Information provided by Ineos Olefins & Polymers USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-H03G-01-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.904 - 0.908 g/cc	0.0327 - 0.0328 lb/in³	ASTM D1505
Linear Mold Shrinkage	0.010 - 0.025 cm/cm	0.010 - 0.025 in/in	ASTM D955
Melt Flow	3.4 g/10 min @Load 2.16 kg, Temperature 230 °C	3.4 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, Yield	31.6 MPa @Temperature 23.0 °C	4580 psi @Temperature 73.4 °F	Molded and tested under D410, 50 mm/min; ASTM D638
Elongation at Yield	10 %	10 %	50 mm/min; ASTM D638
Flexural Modulus	1.30 GPa @Temperature 23.0 °C	188 ksi @Temperature 73.4 °F	ASTM D790A
Izod Impact, Notched	0.214 - 0.374 J/cm @Temperature 23.0 °C	0.400 - 0.700 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	87.2 °C	189 °F	ASTM D648

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