

Ineos H44N-00 Polypropylene Homopolymer

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

Material Notes:

H44N-00 is a high flow rate, nucleated polypropylene homopolymer designed for compounding and injection molding applications. The grade benefits from a high stiffness and isotropic shrinkage to help reduce warping in flat, thin parts.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-H44N-00-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.911 g/cc	0.0329 lb/in ³	ASTM D792
Melt Flow	47 g/10 min @Load 2.16 kg, Temperature 230 °C	47 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	107	107	ASTM D785
Tensile Strength at Break	26.2 MPa	3800 psi	2 in/min; ASTM D638
Tensile Strength, Yield	37.2 MPa	5400 psi	2 in/min; ASTM D638
Elongation at Break	25 %	25 %	2 in/min; ASTM D638
Elongation at Yield	9.0 %	9.0 %	2 in/min; ASTM D638
Flexural Modulus	1.69 GPa	245 ksi	1% Secant; ASTM D790A
Izod Impact, Notched	0.214 J/cm	0.400 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	113 °C	236 °F	ASTM D648

Optical Properties	Metric	English	Comments
Haze	24 % @Thickness 1.30 mm	24 % @Thickness 0.0512 in	76% Diffuse Transmission; ASTM D1003
Gloss	73 %	73 %	60° Angle; ASTM D2457

Descriptive Properties	Value	Comments
Process	Injection Molding	

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

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