

Ineos T50-1000 HDPE Copolymer

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

T50-1000 is a high density polyethylene copolymer. It has a narrow molecular weight distribution and provides injection molded parts with an excellent balance of properties and processing for most general purpose applications. This material meets the Food and Drug Administration requirements of 21CFR 177.1520.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-T50-1000-HDPE-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.951 g/cc	0.0344 lb/in ³	ASTM D4883
Melt Flow	11 g/10 min @Load 2.16 kg, Temperature 190 Â°C	11 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength, Yield	25.5 MPa	3700 psi	ASTM D638
Elongation at Break	>= 500 %	>= 500 %	ASTM D638
Flexural Modulus	1.21 GPa	175 ksi	Tangent-Method 1; ASTM D790
Izod Impact, Notched	0.500 J/cm	0.937 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	77.0 Â°C	171 Â°F	ASTM D648
Vicat Softening Point	128 Â°C	262 Â°F	ASTM D1525
Brittleness Temperature	<= -75.0 Â°C	<= -103 Â°F	ASTM D746

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

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