

Ineos T50-4400 HDPE

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

Material Notes:

Ineos T50-4400 is a high-flow high density polyethylene copolymer intended for injection molding of thin wall containers. This material will allow for cycle time reduction while still imparting reasonable impact strength. This resin meets the Food and Drug Administration requirements of 21CFR 177.1520.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-T50-4400-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.951 g/cc	0.0344 lb/in ³	ASTM D4883
Melt Flow	47 g/10 min @Load 2.16 kg, Temperature 190 Â°C	47 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	2 in/min (50 mm/min); ASTM D-638
Flexural Modulus	1.207 GPa	175.1 ksi	Tangent-Method 1; ASTM D790
Izod Impact, Notched	0.200 J/cm	0.375 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	74.0 Â°C	165 Â°F	ASTM D648
Vicat Softening Point	120 Â°C	248 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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China