

LATI Latilub 45/7-20T HDPE, PTFE Reinforced

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

Material Notes:

Self-lubricating product based on High density polyethylene (HD-PE). PTFE. Availability: Africa & Middle East; Asia Pacific; Europe; Latin America; North America Information provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LATI-Latilub-457-20T-HDPE-PTFE-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	
Linear Mold Shrinkage, Flow	0.011 - 0.015 cm/cm	0.011 - 0.015 in/in	
Linear Mold Shrinkage, Transverse	0.011 - 0.015 cm/cm	0.011 - 0.015 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	
Elongation at Break	20 %	20 %	
Elongation at Yield	10 %	10 %	
Tensile Modulus	1.40 GPa	203 ksi	
Charpy Impact Unnotched	NB	NB	
Charpy Impact, Notched	2.00 J/cm ²	9.52 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.12	0.12	
Coefficient of Friction, Static	0.17	0.17	
K (wear) Factor	6.00 x 10 ⁻⁸ mm ³ /N-M	2.98 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	75.0 Â°C	167 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	45.0 Â°C	113 Â°F	
Vicat Softening Point	70.0 Â°C	158 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	180 - 230 Â°C Metric	356 - 446 Â°F English	Comments
Mold Temperature	20.0 - 40.0 Â°C	68.0 - 104 Â°F	
Drying Temperature	80.0 - 90.0 Â°C @Time 10800 sec	176 - 194 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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