

Plenco 7556 Phenolic, Briquette, Injection Molded

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic , Phenolic, Novolac, Glass Filled

Material Notes:

PLENCO 07556 is a glass fiber reinforced novolac phenolic molding compound, with good physical strengths and heat resistance along with excellent dimensional stability. UL recognized under component file E40654. Information supplied by Plenco.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plenco-7556-Phenolic-Briquette-Injection-Molded.php

Physical Properties	Metric	English	Comments
Bulk Density	0.870 g/cc	0.0314 lb/in ³	ASTM D1895
Density	1.82 g/cc	0.0658 lb/in ³	ASTM D792
Water Absorption	0.060 %	0.060 %	ASTM D570
Linear Mold Shrinkage	0.0021 cm/cm	0.0021 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell E	95	95	ASTM D785
Tensile Strength, Ultimate	72.0 MPa	10400 psi	ASTM D638
Elongation at Break	0.67 %	0.67 %	ASTM D638
Tensile Modulus	16.8 GPa	2440 ksi	ASTM D638
Flexural Strength	127 MPa	18400 psi	ASTM D790
Flexural Modulus	15.0 GPa	2180 ksi	ASTM D790
Compressive Strength	204 MPa	29600 psi	ASTM D695
Izod Impact, Notched	0.292 J/cm	0.547 ft-lb/in	ASTM D256
Charpy Impact, Notched	0.281 J/cm ²	1.34 ft-lb/in ²	ASTM D256
Impact	183	183	J/m Drop Ball Impact; PLENCO

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	220 °C	428 °F	Heat Resistance; ASTM D570D
Deflection Temperature at 1.8 MPa (264 psi)	204 °C	399 °F	ASTM D648
Flammability, UL94	V-1 @Thickness 1.50 mm	V-1 @Thickness 0.0591 in	

Shrinkage Thermal Properties	0.090 % Metric	0.090 % English	72 hr, 120°C; ASTM D1299 Comments
Electrical Properties	Metric	English	Comments
Volume Resistivity	2.20e+11 ohm-cm	2.20e+11 ohm-cm	ASTM D247
Dielectric Constant	6.2	6.2	ASTM D150
Dielectric Strength	8.90 kV/mm	226 kV/in	Short Time; ASTM D149
Dissipation Factor	0.027	0.027	ASTM D150
Arc Resistance	89 sec	89 sec	ASTM D495
Comparative Tracking Index	200 V	200 V	ASTM D3638

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