

Plenco 00714 Melamine-Phenolic, Granular, Compression Molded

Category : Polymer , Thermoset , Melamine , Melamine-Phenolic Copolymer , Phenolic

Material Notes:

PLENCO 00714 is a melamine-phenolic copolymer molding compound, offering excellent arc resistance and comparative track index values. Type ASTM D 5948 CMG, and UL recognized under component file E40654. 00714 is available in brown. Information supplied by Plenco.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plenco-00714-Melamine-Phenolic-Granular-Compression-Molded.php

Physical Properties	Metric	English	Comments
Bulk Density	0.700 g/cc	0.0253 lb/in ³	ASTM D1895
Density	1.67 g/cc	0.0603 lb/in ³	ASTM D792
Water Absorption	0.22 %	0.22 %	ASTM D570
Linear Mold Shrinkage	0.0036 cm/cm	0.0036 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell E	74	74	ASTM D785
Tensile Strength, Ultimate	59.0 MPa	8560 psi	ASTM D638
Elongation at Break	0.81 %	0.81 %	ASTM D638
Tensile Modulus	13.3 GPa	1930 ksi	ASTM D638
Flexural Strength	84.0 MPa	12200 psi	ASTM D790
Flexural Modulus	11.2 GPa	1620 ksi	ASTM D790
Compressive Strength	167 MPa	24200 psi	ASTM D695
Izod Impact, Notched	0.168 J/cm	0.315 ft-lb/in	ASTM D256
Charpy Impact, Notched	0.218 J/cm ²	1.04 ft-lb/in ²	ASTM D256
Impact	96	96	J/m Drop Ball Impact; PLENCO

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	155 °C	311 °F	Heat Resistance; ASTM D570D
Deflection Temperature at 1.8 MPa (264 psi)	194 °C	381 °F	ASTM D648
Flammability, UL94	V-0	V-0	

Thermal Properties	@Thickness 1.50 mm Metric	@Thickness 0.0591 in English	Comments
Shrinkage	0.62 %	0.62 %	240 hr, 105°C; ASTM D1299

Electrical Properties	Metric	English	Comments
Volume Resistivity	7.50e+13 ohm-cm	7.50e+13 ohm-cm	ASTM D247
Dielectric Constant	6.5	6.5	ASTM D150
Dielectric Strength	10.4 kV/mm	264 kV/in	Step by Step; ASTM D149
	13.6 kV/mm	345 kV/in	Short Time; ASTM D149
Dissipation Factor	0.047	0.047	ASTM D150
Arc Resistance	186 sec	186 sec	ASTM D495
Comparative Tracking Index	425 V	425 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