

Plenco 2567 Phenolic, Granular, Compression Molded

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic , Phenolic, Resole, Wood Filled

Material Notes:

PLENCO 02567 is a general purpose, organic filled phenolic molding compound offering excellent cosmetic characteristics as typically required for vacuum metalized closures. UL recognized under component file E40654. 02567 is available in black, brown, or red color. 02567 Black is not intended for electrical insulating applications. Information supplied by Plenco.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plenco-2567-Phenolic-Granular-Compression-Molded.php

Physical Properties	Metric	English	Comments
Bulk Density	0.610 g/cc	0.0220 lb/in ³	ASTM D1895
Density	1.40 g/cc	0.0506 lb/in ³	ASTM D792
Water Absorption	0.47 %	0.47 %	ASTM D570
Linear Mold Shrinkage	0.0041 cm/cm	0.0041 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell E	84	84	ASTM D785
Tensile Strength, Ultimate	62.0 MPa	8990 psi	ASTM D638
Elongation at Break	0.87 %	0.87 %	ASTM D638
Tensile Modulus	8.00 GPa	1160 ksi	ASTM D638
Flexural Strength	91.0 MPa	13200 psi	ASTM D790
Flexural Modulus	7.40 GPa	1070 ksi	ASTM D790
Compressive Strength	215 MPa	31200 psi	ASTM D695
Izod Impact, Notched	0.152 J/cm	0.285 ft-lb/in	ASTM D256
Charpy Impact, Notched	0.187 J/cm ²	0.890 ft-lb/in ²	ASTM D256
Impact	102	102	J/m Drop Ball Impact; PLENCO

Thermal Properties	Metric	English	Comments
CTE, linear	63.0 µm/m-°C	35.0 µin/in-°F	TMA; ASTM E831
	@Temperature 40.0 - 130 °C	@Temperature 104 - 266 °F	
Thermal Conductivity	0.370 W/m-K	2.57 BTU-in/hr-ft ² -°F	ASTM E1461

Thermal Properties	@Temperature 100 °C Metric	@Temperature 212 °F English	Comments
Maximum Service Temperature, Air	203 °C	397 °F	Heat Resistance; ASTM D570D
Deflection Temperature at 1.8 MPa (264 psi)	185 °C	365 °F	ASTM D648
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Oxygen Index	29 %	29 %	ASTM D2863
Shrinkage	0.40 %	0.40 %	72 hr, 120°C; ASTM D1299

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.00e+13 ohm-cm	3.00e+13 ohm-cm	ASTM D247
Dielectric Constant	5.4	5.4	ASTM D150
Dielectric Strength	9.50 kV/mm	241 kV/in	Step by Step; ASTM D149
	12.9 kV/mm	328 kV/in	Short Time; ASTM D149
Dissipation Factor	0.041	0.041	ASTM D150
Arc Resistance	87 sec	87 sec	ASTM D495
Comparative Tracking Index	175 V	175 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