

Plenco 2567 Phenolic, Granular, Injection 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-Injection-Molded.php

Physical Properties	Metric	English	Comments
Bulk Density	0.580 g/cc	0.0210 lb/in ³	ASTM D1895
Density	1.36 g/cc	0.0491 lb/in ³	ASTM D792
Water Absorption	0.52 %	0.52 %	ASTM D570
Linear Mold Shrinkage	0.0069 cm/cm	0.0069 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell E	78	78	ASTM D785
Tensile Strength, Ultimate	69.0 MPa	10000 psi	ASTM D638
Elongation at Break	1.26 %	1.26 %	ASTM D638
Tensile Modulus	6.60 GPa	957 ksi	ASTM D638
Flexural Strength	105 MPa	15200 psi	ASTM D790
Flexural Modulus	6.70 GPa	972 ksi	ASTM D790
Compressive Strength	209 MPa	30300 psi	ASTM D695
Izod Impact, Notched	0.200 J/cm	0.375 ft-lb/in	ASTM D256
Charpy Impact, Notched	0.182 J/cm ²	0.866 ft-lb/in ²	ASTM D256
Impact	116	116	J/m Drop Ball Impact; PLENCO

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	190 °C	374 °F	Heat Resistance; ASTM D570D
Deflection Temperature at 1.8 MPa (264 psi)	178 °C	352 °F	ASTM D648
Flammability, UL94	HB	HB	

Thermal Properties	@Thickness 1.50 mm Metric	@Thickness 0.0591 in English	Comments
Shrinkage	0.51 %	0.51 %	72 hr, 120°C; ASTM D1299

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	175 V	175 V	ASTM D3638

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