

Plenco 5118 Phenolic, Granular, Injection Molded

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic , Phenolic, Novolac, Mineral/Graphite Filled

Material Notes:

PLENCO 05118 is a mineral and graphite filled phenolic molding compound, formulated for bearing seals. 05118 provides for a low coefficient of friction, abrasion resistance, minimal water absorption, and excellent dimensional stability under severe exposure. 05118 is available in gray. 05118 is not recommended for electrical insulating applications. Information supplied by Plenco.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plenco-5118-Phenolic-Granular-Injection-Molded.php

Physical Properties	Metric	English	Comments
Bulk Density	0.890 g/cc	0.0322 lb/in ³	ASTM D1895
Density	1.82 g/cc	0.0658 lb/in ³	ASTM D792
Water Absorption	0.044 %	0.044 %	ASTM D570
Linear Mold Shrinkage	0.0035 cm/cm	0.0035 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell E	58	58	ASTM D785
Tensile Strength, Ultimate	40.0 MPa	5800 psi	ASTM D638
Elongation at Break	0.52 %	0.52 %	ASTM D638
Tensile Modulus	13.2 GPa	1910 ksi	ASTM D638
Flexural Strength	64.0 MPa	9280 psi	ASTM D790
Flexural Modulus	11.0 GPa	1600 ksi	ASTM D790
Compressive Strength	128 MPa	18600 psi	ASTM D695
Izod Impact, Notched	0.161 J/cm	0.302 ft-lb/in	ASTM D256
Charpy Impact, Notched	0.163 J/cm ²	0.776 ft-lb/in ²	ASTM D256
Impact	59	59	J/m Drop Ball Impact; PLENCO

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	Heat Resistance; ASTM D570D
Deflection Temperature at 1.8 MPa (264 psi)	180 °C	356 °F	ASTM D648
Shrinkage	0.064 %	0.064 %	72 hr, 120°C; ASTM D1299

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