

Plenco Valite 424 Novolac Phenolic, Granular, Injection Molded (discontinued **)

Category : Polymer , Thermoset , Phenolic

Material Notes:

This Valite product has been replaced by Plenco 2424. Data provided by Plenco.VALITE 424 is a black, two stage, general purpose phenolic molding compound. It has a good balance of properties for a general purpose type material. It is used in electrical applications and can be molded by compression, transfer, or injection processes. Plenco drop ball 113g test value is 31 cm.Plenco has discontinued their Valite product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plenco-Valite-424-Novolac-Phenolic-Granular-Injection-Molded-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ASTM D792
Apparent Bulk Density	0.670 g/cc	0.0242 lb/in ³	ASTM D1895
Water Absorption	0.32 %	0.32 %	ASTM D570
Linear Mold Shrinkage	0.0107 cm/cm	0.0107 in/in	Post shrinkage is 0.32% at 72hr 120°C.; ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell E	84	84	ASTM D785
Tensile Strength, Ultimate	57.4 MPa	8330 psi	ASTM D638
Elongation at Break	0.80 %	0.80 %	ASTM D638
Tensile Modulus	8.30 GPa	1200 ksi	ASTM D638
Flexural Yield Strength	79.7 MPa	11600 psi	ASTM D790
Flexural Modulus	7.40 GPa	1070 ksi	ASTM D790
Compressive Yield Strength	198.3 MPa	28760 psi	ASTM D695
Charpy Impact, Notched	0.190 J/cm ²	0.904 ft-lb/in ²	J/cm; ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	Heat Resistance; ASTM D795
Deflection Temperature at 1.8 MPa (264 psi)	159 °C	318 °F	ASTM D648
Flammability, UL94	V-1 @Thickness 6.10 mm	V-1 @Thickness 0.240 in	

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Electrical Resistivity	4.36e+11 ohm-cm	4.36e+11 ohm-cm	ASTM D257
Dielectric Constant	5.5	5.5	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	9.10 kV/mm	231 kV/in	Step-by-Step; ASTM D149
	10.6 kV/mm	269 kV/in	Short Term per ASTM D149
Dissipation Factor	0.062	0.062	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Arc Resistance	140 sec	140 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