

## Plenco 00755 Melamine-Phenolic, Granular, Injection Molded

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

### Material Notes:

PLENCO 00755 is a melamine-phenolic copolymer molding compound offering excellent electrical and flame resistant properties. Type ASTM 5948 CMG, and UL recognized under component file E40654. 00755 is available only in brown. Information supplied by Plenco.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plenco-00755-Melamine-Phenolic-Granular-Injection-Molded.php](http://www.lookpolymers.com/polymer_Plenco-00755-Melamine-Phenolic-Granular-Injection-Molded.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.570 g/cc	0.0206 lb/in <sup>3</sup>	ASTM D1895
Density	1.58 g/cc	0.0571 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.37 %	0.37 %	ASTM D570
Linear Mold Shrinkage	0.0076 cm/cm	0.0076 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell E	72	72	ASTM D785
Tensile Strength, Ultimate	65.0 MPa	9430 psi	ASTM D638
Elongation at Break	0.87 %	0.87 %	ASTM D638
Tensile Modulus	10.3 GPa	1490 ksi	ASTM D638
Flexural Strength	93.0 MPa	13500 psi	ASTM D790
Flexural Modulus	8.50 GPa	1230 ksi	ASTM D790
Compressive Strength	161 MPa	23400 psi	ASTM D695
Izod Impact, Notched	0.195 J/cm	0.365 ft-lb/in	ASTM D256
Charpy Impact, Notched	0.206 J/cm <sup>2</sup>	0.980 ft-lb/in <sup>2</sup>	ASTM D256
Impact	120	120	J/m Drop Ball Impact; PLENCO

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	149 °C	300 °F	Heat Resistance; ASTM D570D
Deflection Temperature at 1.8 MPa (264 psi)	178 °C	352 °F	ASTM D648
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	

Shrinkage Thermal Properties	1.08 % Metric	1.08 % English	240 hr; 105°C; ASTM D1299 Comments
<b>Electrical Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Volume Resistivity	1.40e+12 ohm-cm	1.40e+12 ohm-cm	ASTM D247
Dielectric Constant	7.2	7.2	ASTM D150
Dielectric Strength	4.80 kV/mm	122 kV/in	Step by Step; ASTM D149
	7.50 kV/mm	191 kV/in	Short Time; ASTM D149
Dissipation Factor	0.080	0.080	ASTM D150
Arc Resistance	180 sec	180 sec	ASTM D495
Comparative Tracking Index	525 V	525 V	ASTM D3638

## Contact Songhan Plastic Technology Co.,Ltd.

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