

## Plenco 00755 Melamine-Phenolic, Granular, Transfer 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-Transfer-Molded.php](http://www.lookpolymers.com/polymer_Plenco-00755-Melamine-Phenolic-Granular-Transfer-Molded.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.580 g/cc	0.0210 lb/in <sup>3</sup>	ASTM D1895
Density	1.60 g/cc	0.0578 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.44 %	0.44 %	ASTM D570
Linear Mold Shrinkage	0.0069 cm/cm	0.0069 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell E	76	76	ASTM D785
Tensile Strength, Ultimate	57.0 MPa	8270 psi	ASTM D638
Elongation at Break	0.71 %	0.71 %	ASTM D638
Tensile Modulus	10.2 GPa	1480 ksi	ASTM D638
Flexural Strength	85.0 MPa	12300 psi	ASTM D790
Flexural Modulus	8.60 GPa	1250 ksi	ASTM D790
Compressive Strength	168 MPa	24400 psi	ASTM D695
Izod Impact, Notched	0.191 J/cm	0.358 ft-lb/in	ASTM D256
Charpy Impact, Notched	0.215 J/cm <sup>2</sup>	1.02 ft-lb/in <sup>2</sup>	ASTM D256
Impact	99	99	J/m Drop Ball Impact; PLENCO

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	155 °C	311 °F	Heat Resistance; ASTM D570D
Deflection Temperature at 1.8 MPa (264 psi)	186 °C	367 °F	ASTM D648
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	

Shrinkage Thermal Properties	0.96 % Metric	0.96 % English	240 hr; 105°C; ASTM D1299 Comments
<b>Electrical Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Volume Resistivity	1.60e+12 ohm-cm	1.60e+12 ohm-cm	ASTM D247
Dielectric Constant	7.3	7.3	ASTM D150
Dielectric Strength	5.80 kV/mm	147 kV/in	Step by Step; ASTM D149
	7.70 kV/mm	196 kV/in	Short Time; ASTM D149
Dissipation Factor	0.074	0.074	ASTM D150
Arc Resistance	186 sec	186 sec	ASTM D495
Comparative Tracking Index	475 V	475 V	ASTM D3638

## Contact Songhan Plastic Technology Co.,Ltd.

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