

## Cosmic Plastics CP7312 Epoxy Molding Compound

Category : Polymer , Thermoset , Epoxy , Epoxy Molding Compound

**Material Notes:**

Data provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Cosmic-Plastics-CP7312-Epoxy-Molding-Compound.php](http://www.lookpolymers.com/polymer_Cosmic-Plastics-CP7312-Epoxy-Molding-Compound.php)

Physical Properties	Metric	English	Comments
Density	2.00 g/cc	0.0723 lb/in <sup>3</sup>	
Water Absorption	0.20 %	0.20 %	48 hrs, 50°C
Linear Mold Shrinkage	0.0010 - 0.0040 cm/cm	0.0010 - 0.0040 in/in	typical.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	103 - 186 MPa	14900 - 27000 psi	
Flexural Strength	276 MPa	40000 psi	
Compressive Strength	221 MPa	32100 psi	
Izod Impact, Notched	16.0 J/cm	30.0 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	243 °C	469 °F	Heat Distortion temperature

Processing Properties	Metric	English	Comments
Processing Temperature	135 - 165 °C	275 - 329 °F	Molding temperature

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