



**Cosmic Plastics Inc**  
HELPING MOLD THE FUTURE



Registered To ISO 9001:2008  
Ref. No. 10000711

## TECHNICAL DATA SHEET

**CP7312 Epoxy**

- DESCRIPTION** Cosmic CP7312 is a long-glass reinforced epoxy molding compound which is supplied in a flake form.
- FEATURES** Can be compression or transfer molded, and has high physical strength. This material has a shelf life of 18 months when stored at 50 °C or less.
- APPLICATIONS** Makes an ideal replacement for many aircraft and heavy metal parts.

### MATERIAL INFORMATION & PROPERTIES

MOLDING INFORMATION	SPECIFICATION	DATA
Specific Gravity		2.2
Bulk Factor		10
Molding Pressure	Kg/cm <sup>2</sup> psi	35 – 562 500 – 8,000
Molding Temperature	°C °F	130 – 180 266 - 356

ELECTRICAL PROPERTIES	SPECIFICATION	DATA
Dielectric Strength	volts/mil	500

MECHANICAL PROPERTIES	SPECIFICATION	DATA
Impact Strength	Izod notched, ft-lb/inch	18 - 25
Flexural Strength	psi	30 - 40,000
Compressive Strength	psi	26 - 38,000
Tensile Strength	psi	15 - 27,000

**Technical Data Sheets are offered for Reference Only**, and are not to be considered as specifications. All tests were performed at room temperature (22 °C) unless otherwise stated, under carefully controlled conditions using transfer molded specimens. Since actual performance is determined by the molding techniques applied, as well as part size and shape, it is recommended that customers conduct their own tests to determine product suitability for their specific application. **Cosmic Plastics, Inc. makes no warranties of merchantability, or any expressed or implied guarantee or representation of fitness or suitability for any application.**

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