

# Cosmic Epoxy CP7312

Epoxy; Epoxide  
Cosmic Plastics, Inc.

Message:

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 0 C or less.

APPLICATIONS  
Makes an ideal replacement for many aircraft and heavy metal parts.

General Information	
Filler / Reinforcement	Long Glass Fiber
Features	High Strength
Uses	Aircraft Applications
	Metal Replacement
Forms	Flakes
Processing Method	Compression Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit
Specific Gravity	2.19	g/cm <sup>3</sup>
Bulk Factor	10	
Mechanical	Nominal Value	Unit
Tensile Strength	103 to 186	MPa
Flexural Strength	207 to 276	MPa
Compressive Strength	179 to 262	MPa
Impact	Nominal Value	Unit
Notched Izod Impact	960 to 1300	J/m
Electrical	Nominal Value	Unit
Dielectric Strength	20	kV/mm
Injection	Nominal Value	Unit
Processing (Melt) Temp	130 to 180	°C
Injection Pressure	3.45 to 55.2	MPa

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Recommended distributors for this material

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