

Material Data Sheet

GF / PP COMPOSITES MCP1228


(Eightex)

MATERIAL SUMMARY

Material Number	MCP1228	Configuration	UD
Reinforcement	GF (Tensile Modulus: 74GPa)	Polymer	PP

PHYSICAL/MECHANICAL PROPERTIES

Property	Unit	Value	Test Method
FAW	g/m ²	220	FN1
RAW	g/m ²	152	FN1
Mass of fiber + resin	g/m ²	372	FN1
V _f	vol %	35	FN1
RC	%	41	FN1
T _g	°C	-11	JIS K 7121
Tensile Strength	MPa	660	ASTM D 3039
Tensile Modulus	GPa	30	ASTM D 3039
Flexural Strength	MPa	710	ASTM D 7264
Flexural Modulus	GPa	29	ASTM D 7264

FN1: Internal standard method.

- All data above is reference value only, the actual material property data depends on the reinforcement condition. Maru Hachi Corporation makes no warranty of any of technical data or information contained in this document. It is recommended to conduct actual material test for material specification and/or design values.
- Caution: Do not use this material in medical applications involving permanent implantation in human body.

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