

Material Data Sheet

GF / PP COMPOSITES MCP1238

8ere® (Eightex)

MATERIAL SUMMARY

Material Number	MCP1238	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	76	FN1
Mass of fiber + resin	g/m ²	296	FN1
V _f	vol %	52	FN1
RC	%	26	FN1
T _g	°C	-11	JIS K 7121
Tensile Strength	MPa	890	ASTM D 3039
Tensile Modulus	GPa	40	ASTM D 3039
Flexural Strength	MPa	895	ASTM D 7264
Flextural Modulus	GPa	38	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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