

Material Data Sheet

GF / PP COMPOSITES MCP1373


(Eightex)

MATERIAL SUMMARY

Material Number	MCP1373	Configuration	Woven fabric
Reinforcement	GF (Tensile Modulus: 74GPa)	Polymer	PP

PHYSICAL/MECHANICAL PROPERTIES

Property	Unit	Value	Test Method
FAW	g/m ²	600	FN1
RAW	g/m ²	182	FN1
Mass of fiber + resin	g/m ²	782	FN1
V _f	vol %	54	FN1
RC	%	23	FN1
T _g	°C	-11	JIS K 7121
Tensile Strength	MPa	510	ASTM D 3039
Tensile Modulus	GPa	31	ASTM D 3039
Flexural Strength	MPa	460	ASTM D 7264
Flextural Modulus	GPa	26	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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