

Material Data Sheet

CF / PA6 COMPOSITES MCP1223


(Eightex)

MATERIAL SUMMARY

Material Number	MCP1223	Configuration	UD
Reinforcement	CF (Tensile Modulus: 234GPa)	Polymer	PA6

PHYSICAL/MECHANICAL PROPERTIES

Property	Unit	Value	Test Method
FAW	g/m ²	154	FN1
RAW	g/m ²	90	FN1
Mass of fiber + resin	g/m ²	244	FN1
V _f	vol %	52	FN1
RC	%	37	FN1
T _g	°C	63	JIS K 7121
Tensile Strength	MPa	1900	ASTM D 3039
Tensile Modulus	GPa	120	ASTM D 3039
Flexural Strength	MPa	1500	ASTM D 7264
Flexural Modulus	GPa	108	ASTM D 7264
ILSS	MPa	43	ASTM D2344

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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