

Material Data Sheet

GF / PA6 COMPOSITES MCP1239



MATERIAL SUMMARY

Material Number	MCP1239	Configuration	UD
Reinforcement	GF (Tensile Modulus: 74GPa)	Polymer	PA6

PHYSICAL/MECHANICAL PROPERTIES

Property	Unit	Value	Test Method
FAW	g/m ²	130	FN1
RAW	g/m ²	90	FN1
Mass of fiber + resin	g/m ²	220	FN1
V _f	vol %	40	FN1
RC	%	40	FN1
T _g	°C	63	JIS K 7121
Tensile Strength	MPa	730	ASTM D 3039
Tensile Modulus	GPa	38	ASTM D 3039
Flexural Strength	MPa	720	ASTM D 7264
Flextural Modulus	GPa	39	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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