

## Material Data Sheet

# CF / TPU COMPOSITES MCP1374


**(Eightex)**

## MATERIAL SUMMARY

<b>Material Number</b>	MCP1374	<b>Configuration</b>	UD
<b>Reinforcement</b>	CF (Tensile Modulus: 234GPa)	<b>Polymer</b>	TPU

## PHYSICAL/MECHANICAL PROPERTIES

Property	Unit	Value	Test Method
FAW	g/m <sup>2</sup>	150	FN1
RAW	g/m <sup>2</sup>	93	FN1
Mass of fiber + resin	g/m <sup>2</sup>	243	FN1
V <sub>f</sub>	vol %	51	FN1
RC	%	38	FN1
T <sub>g</sub>	°C	-15	JIS K 7121

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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