



Maezio™ CF GP 1000T

175-000/44

Preliminary Product Description

Polycarbonate based composite tape
continuous fiber reinforced
FVC : 44%

Carbon fiber reinforced tape comprising high mechanical strength; general purpose;
for thermoforming applications

Property	Test Condition	Unit	Standard	Typical Value**
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Mechanical properties (23 °C, 50 % r. F.)

Tensile modulus 0°	2 mm/min	GPa	ISO 527-5	105
Tensile modulus 90°	1 mm/min	GPa	ISO 527-5	5
Tensile strength 0°	2 mm/min	MPa	ISO 527-5	1400
Tensile strength 90°	1 mm/min	MPa	ISO 527-5	25
Flexural modulus 0°	2 mm/min	GPa	ISO 14125	93
Flexural modulus 90°	2 mm/min	GPa	ISO 14125	5
Flexural strength 0°	2 mm/min	MPa	ISO 14125	700
Flexural strength 90°	2 mm/min	MPa	ISO 14125	40
Shear modulus +/-45°		MPa	ISO 14129	2200
Shear strength +/-45°		MPa	ISO 14129	40
Thickness		mm	-	0.17

Other properties (23 °C)

Density	-	g/cm³	ISO 1183	1.5
fiber volume content		vol%	internal method	44
RoHs compliance			-	yes
			-	

Processing conditions

Drying temperature		°C		80
Drying time (fresh air dryer / high speed dryer)		h		5

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**Typical value

These values are typical values only. Unless explicitly agreed in written form, they do not constitute a binding material specification or warranted values. Values may be affected by the design of the mold/die, the processing conditions and coloring/pigmentation of the product. Unless specified to the contrary, the property values given have been established on standardized test specimens at room temperature.

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