

## **ABS X-TREME X130 Carbon Fibre – Spec Sheet**

(to be used on FDM® rapid prototyping machines)

<b>Mechanical Properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Modulus	4510	MPa	ASTM D638
Tensile Stress, Type I, 5mm/min	36	MPa	ASTM D638
Tensile Strain, Type I, 5mm/min	2.1	%	ASTM D638
Flexural Modulus 1.3mm/min	4900	MPa	ASTM D290
Flexural Strength	73	MPa	ASTM D790

<b>Electrical Properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Method</b>
Volume Resistivity	1*10 <sup>9</sup>	Ohm*cm	ASTM D257

<b>Thermal Properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Method</b>
Glass Transition Temperature (Tg)	104	°C	DSC

<b>Physical Properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Method</b>
Density	1.04	g/ccm	ASTM D792

The given values are typical values only, which are not intended for design or specification purposes. Test parts were printed on a Stratasys® Fortus 380 mc printer under standard parameters. All parts were printed in flat XY-orientation.

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