

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

(to be used on FDM® 3D printers)

Mechanical Properties	Value	Unit	Test Method
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

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

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

Physical Properties	Value	Unit	Test Method
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 380mc® printer under standard parameters. All parts were printed in flat XY-orientation.

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Ident	Titel	Stand	Ersteller	Freigegeben	Seite
Technical Data Sheet	iSQUARED_Technical_Data_Sheet_ABS_CF_2022-07-06_EN	06.07.2022	A.H.	M.V.	1