

ABS X-TREME X130 Carbon Fibre – Spec Sheet

(to be used on FDM® rapid prototyping machines)

| Mechanical Properties | Value | Test Method |
|------------------------------|--------------|--------------------|
| Tensile Modulus | 4,510 MPa | ASTM D638 |
| Tensile Strength at Break | 36 MPa | ASTM D638 |
| Tensile Elongation at Break | 2.1% | ASTM D638 |
| Flexural Modulus 1.3mm/min | 4900 MPa | ASTM D290 |
| Flexural Strength | 73 MPa | ASTM D790 |

| Electrical Properties | Value | Test Method |
|------------------------------|--------------|--------------------|
| Volume Resistivity | 4.17E+14 | ASTM D257 |

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

| Physical Properties | Value | Test Method |
|----------------------------|--------------|--------------------|
| Density | 1.04 | 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 250 mc printer under standard parameters. All parts were printed in flat XY-orientation.

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