

## **ABS X-TREME X130 – Spec Sheet**

(to be used for FDM® rapid prototyping machines)

<b>MECHANICAL PROPERTIES</b>	<b>METRIC</b>	<b>TEST METHOD</b>
Tensile Strength, Ultimate (Type 1, 0.125", 0.2"/min)	31 MPa	ASTM D638
Tensile Strength, Yield (Type 1, 0.125", 0.2"/min)	30 MPa	ASTM D638
Tensile Modulus (Type 1, 0.125", 0.2"/min)	2,150 MPa	ASTM D638
Tensile Elongation at Break (Type 1, 0.125", 0.2"/min)	5%	ASTM D638
Tensile Elongation at Yield (Type 1, 0.125", 0.2"/min)	2,5%	ASTM D638
IZOD Impact, notched (Method A, 23°C)	106 J/m	ASTM D256

<b>MECHANICAL PROPERTIES</b>	<b>METRIC</b>	<b>TEST METHOD</b>
Flexural Strength (Method 1, 0.05"/min)	58 MPa	ASTM D790
Flexural Modulus (Method 1, 0.05"/min)	2,100 MPa	ASTM D790
Flexural Strain at Break (Method 1, 0.05"/min)	2%	ASTM D790

<b>THERMAL PROPERTIES</b>	<b>METRIC</b>	<b>TEST METHOD</b>
Heat Deflection (HDT) @ 66 psi	96°C	ASTM D648
Heat Deflection (HDT) @ 264 psi	82°C	ASTM D648
Glass Transition Temperature (Tg)	103°C	DSC

<b>ELECTRICAL PROPERTIES</b>	<b>VALUE RANGE</b>	<b>TEST METHOD</b>
Volume Resistivity	$2.6 \times 10^{15} - 5.0 \times 10^{16}$ ohm-cm	ASTM D257
Dielectric Constant	2.2 - 2.8	ASTM D150-98
Dissipation Factor	0.0046 - 0.0053	ASTM D150-98

## Colors ABS X-TREME X130:

ABS X-TREME X130 is available in different colors: natural, black, grey, white, blue, orange, red - custom colors on request.

	Dimension SST1200es Elite	Dimension BST1200es	Fortus 200mc 250mc	uPrint uPrint uPrint Plus uPrint SE uPrint SE Plus	HP Designjet 3D Designjet Color 3D	Fortus 360mc 400mc 900mc	FDM Titan Vantage	FDM Quatum Maxum
■ natural	✓	✓	✓	✓	✓	✓	✓	✓
■ black	✓	✓	✓	✓	✓	✓	✓	✓
□ white	✓	✓	✓	✓	✓	✓	✓	✗
■ light grey	✓	✓	✓	✓	✓	✓	✓	✗
■ blue	✓	✓	✓	✓	✓	✗	✗	✗
■ orange	✓	✓	✓	✓	✓	✗	✗	✗
■ red	✓	✓	✓	✓	✓	✗	✗	✗
■ glow in the dark	✓	✓	✓	✓	✓	✓	✓	✗
■ BAW Support	✗	✓	✗	✗	✗	✓	✓	✗
■ Custom Colors*	✓	✓	✓	✓	✓	✓	✓	✓



\*available on request

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