

PC-ABS – Spec Sheet

(to be used on FDM® rapid prototyping machines)

Mechanical Properties	Value	Unit	Test Method
Tensile Modulus	1950	MPa	ASTM D638
Tensile Stress, Type I, 5mm/min	42	MPa	ASTM D638
Tensile Strain, Type I, 5mm/min	6.5	%	ASTM D638
Flexural Modulus 1.3mm/min	2000	MPa	ASTM D290
Izod impact, notched, 23 °C	193	J/m	ASTM D256
Izod impact, unnotched, 23 °C	487	J/m	ASTM D256

Electrical Properties	Value	Unit	Test Method
Volume Resistivity	2.3*10 ¹⁴	Ohm*cm	ASTM D257

Thermal Properties	Value	Unit	Test Method
HDT, 1.82 MPa, 3.2mm	112	°C	ASTM D648

Physical Properties	Value	Unit	Test Method
Density	1.18	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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