

Ultem 9085 – Spec Sheet

(to be used on FDM® rapid prototyping machines)

Mechanical Properties	Value	Unit	Test Method
Tensile Modulus	2260	MPa	ASTM D638
Tensile Stress, Type I, 5mm/min	70	MPa	ASTM D638
Tensile Strain, Type I, 5mm/min	2.1	%	ASTM D638
Flexural Modulus 1.3mm/min	2400	MPa	ASTM D290
Izod impact, notched, 23 °C	125	J/m	ASTM D256
Izod impact, unnotched, 23 °C	776	J/m	ASTM D256

Electrical Properties	Value	Unit	Test Method
Volume Resistivity	6.8*10 ¹⁵	Ohm	ASTM D257

Thermal Properties	Value	Unit	Test Method
HDT, 1.82 MPa, 3.2mm	154	°C	ASTM D648
Coefficient of thermal expansion – flow	64.56	µm/(m*°C)	ASTM E831

Physical Properties	Value	Unit	Test Method
Density	1.33	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.

Logos, brand names and trademarks remain the property of the respective right holder. We use trademarks and differentiation in models for non-OEM-FDM® material for the sole purpose of representation of printer compatibility. Brand names of 3D printing material are only used for reference.