



Technical Specifications

Tera 250 - Printer

Resolution	1.9 micron
Tolerance	1 micron
Surface Roughness (RMS)	0.8 micron
Layer thickness	2 micron
Build speed	1 mm per hour
Build volume	50mm x 50mm x 100mm
Up time	~75%
Weight (net wight)	450 kg
Weight (gross weight)	550 kg
Dimensions	140cm X 90cm X 170cm
Operating temperature / Humidity	24-30 °C / 40-60%
Power	100-240 V - 3000 W
Technology	DLP Micro 3D Printing

Materials

	Tensile strength	Young's Modulus	Elongation at failure	Flexural modulus	Izod impact, notched	HDT @0.46 MPa
ABS-like	52- 65 MPa	2.5-3 Gpa	2-4%	2.1-3.6 Gpa	32-44 J/m	100-120 °C
Polypropylene-like	25-50 MPa	1.5-2 GPa	40-60%	1-1.5 Gpa	40-50 J/m	40-80 °C
Ceramic composite	60-80 MPa	7.5-8 Gpa	1-2%	7-8.5 Gpa	25-30 J/m	150-230 °C
Method	ASTM D 638	ASTM D 638	ASTM D 638	ASTM D 790	ASTM D 256	ASTM D 648

* All materials' properties refer to a post cured state

* Properties vary depending on post processing procedure

Contact us for more details: info@nano-fabrica.com