



SLA EXTREME

Liquid Material

MEASUREMENT	CONDITION	VALUE
Appearance		Grey
Liquid Density	@ 25 °C (77 °F)	1.13 g/cm ³
Solid Density	@ 25 °C (77 °F)	1.19 g/cm ³
Viscosity	@ 30 °C (86 °F)	250 - 300 cps
Penetration Depth (Dp)*		4.1 mils
Critical Exposure (Ec)*		11.7 mJ/cm ²
Tested Build Styles		EXACT

Post-cured Material

MEASUREMENT	METHOD/CONDITION	METRIC	US
Tensile Strength	ASTM D638	38 - 44 MPa	5510 - 6380 psi
Tensile Modulus	ASTM D638	1790 - 1980 MPa	260 - 287 ksi
Elongation at Break (%)	ASTM D638	14 - 22 %	14 - 22 %
Flexural Strength	ASTM D790	52 - 71 MPa	7540 - 10300 psi
Flexural Modulus	ASTM D790	1520 - 2070 MPa	220 - 300 ksi
Impact Strength (notched Izod)	ASTM D256	35 - 52 J/m	0.26 - 0.98 ft-lb/in
Heat Deflection Temperature	ASTM D648 @ 66 psi @ 264 psi	62 °C 54 °C	144 °F 129 °F

* Dp/Ec values are the same on all solid-state laser SLA systems.

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Para más información: (665) 654.3190 Fax (665) 654.6526 info@ajosia.com