

S-100

S-100 is an innovative material and can be used in various types of industry.

- High heat and abrasion resistance.
- High strength and Low-shrinkage.
- For DLP/LCD/SLA 3D printer



1. PROPERTIES OF 3D PRINTING RESIN

Properties	Unit	S-100	Remark
Color	-	Yellowish	-
Density	g/cm ³ @ 25 °C	1.110 ± 0.02	-
Viscosity	cps @ 25 °C	500 ± 30	Brookfield
Solid content	% @ 80 °C * 1h	≥ 98	-

2. PROPERTIES OF 3D PRINTING PRODUCT

Properties	Unit	S-100	Remark
Color	-	Clear	-
Shore hardness (D)	-	≥ 90	-
Flexural Strength	Mpa	≥ 120	ASTM D790
Flexural Modulus	Mpa	≥ 2,900	ASTM D790
Tensile Strength	Mpa	≥ 70	ASTM D638
Tensile Modulus	Mpa	≥ 3,000	ASTM D638
Elongation	%	≤ 10	ASTM D638
Impact Strength	J/m ²	≥ 3,500	ASTM D256(Notched)
Heat Deflection Temperature HDT @ 0.45 MPa (66 psi)	°C	130	ASTM D648-16