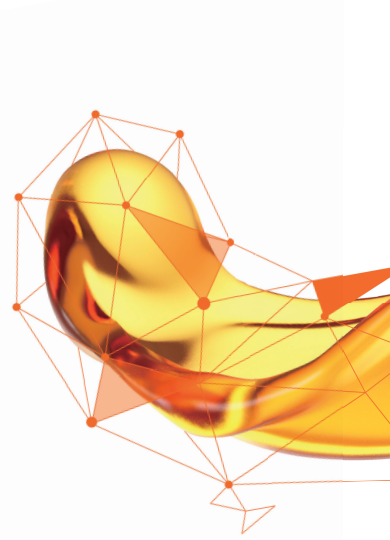


S-Plastic

S-100M

S-100M enables high precision of products. It was developed for orthodontic appliances and 3D printing models, specially vacuum molding applications.

- High heat and abrasion resistance.
- High strength and Low-shrinkage.
- Faster 3D printing.
- Available colors: Gray, Peach and Beige.



1. PROPERTIES OF 3D PRINTING RESIN

Properties	Unit	S-100M	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-100M	Remark
Color	-	Clear	-
Shore hardness (D)	-	≥ 90	-
Flexural Strength	Mpa	≥ 110	ASTM D790
Flexural Modulus	Mpa	≥ 2,500	ASTM D790
Tensile Strength	Mpa	≥ 60	ASTM D638
Tensile Modulus	Mpa	≥ 2,500	ASTM D638
Elongation	%	≤ 10	ASTM D638
Impact Strength	J/m ²	≥ 3,000	ASTM D256(Notched)