

TM-50

TM-50 is suitable for a wide range of applications and it can be used in various types of industry that used to need current photopolymer materials.

- Two times stronger than ABS.
- High flexural strength and tensile strength.
- High impact strength and shore hardness.
- Shape memory materials.
- Nontoxic.



1. PROPERTIES OF 3D PRINTING RESIN

Properties	Unit	TM-50	Remark
Color	-	Yellowish	-
Viscosity	cps @ 25°C	7,000 ± 500	Brookfield
Solid content	% @ 80 °C * 1h	≥ 98	-

2. PROPERTIES OF 3D PRINTING PRODUCT

Properties	Unit	TM-50	Remark
Color	-	Clear	-
Shore hardness (D)	-	≥ 85	-
Flexural Strength	Mpa	≥ 100	ASTM D790
Flexural Modulus	Mpa	≥ 2,400	ASTM D790
Tensile Strength	Mpa	≥ 80	ASTM D638
Tensile Modulus	Mpa	≥ 2,300	ASTM D638
Elongation	%	≤ 10	ASTM D638
Impact Strength	J/m ²	≥ 5,000	ASTM D256(Notched)