

Material Specification Sheets

Stereolithography (SLA)

Parameter	Unit	SLA Detail Resin	Castable Resin
Build Space	mm	450x450x350	145x145x160
Tensile strength	MPa	52	k.A.
Elongation at break	%	6-10	k.A.
Modulus of elasticity	MPa	2500	65
Flexural Strength	MPa	82	k.A.
Flexural Modulus	MPa	2000	k.A.
HDT, °C @ 0.45MPa	°C	55	k.A.
HDT, °C @ 1.82MPa	°C	50	k.A.
Izod Notched Impact	J/m	21	k.A.
Water Absorption	%	0.25	k.A.
Tg (Glass Transition Temperature)	°C	k.A.	k.A.
Shore Hardness (D)	Scale D	83	55
Shore Hardness (A)	Scale A	k.A.	k.A.
Rockwell Hardness	Scale M	k.A.	k.A.
Polymerized density	g/cm ³	1.12	1.04

