

Ultracur3D ST45 B

MATERIAL PROPERTIES DATA

FLUID PROPERTIES

Color	Opaque Black
Viscosity	~230cps at 30°C
Density	~1.2g/cm ³ at 25°C

MECHANICAL PROPERTIES

PROPERTY	VALUE	ASTM METHOD
Tensile Strength	53Mpa	ASTM D638
Tensile Modulus	2000Mpa	ASTM D638
Elongation at Break	21%	ASTM D638
IZOD Impact (notched)	30J/m at 23°C	ASTM D256
Flexural Strength	95Mpa	ASTM D790
Flexural Modulus	2100Mpa	ASTM D790
Shore D	80D	ASTM D2240

THERMAL PROPERTIES

PROPERTY	VALUE	ASTM METHOD
HDT at 0.46MPa	63°C	ASTM D648
HDT at 1.82MPa	52°C	ASTM D648

APPLICABLE 3D PRINTER

Technology Type	DLP
Wavelength	405nm