

UTR 3000 Technical Data

fluid properties

Exterior	brown opaque liquid
Viscosity	295 cps @ 30oC
density	1.10 g/cm3 @ 25oC

Optical properties

E _c	3.2 mJ/cm ² [critical radiation dose]
D _p	0.07 mm [transmission depth]
E ₁₀	96.8 mJ/cm ² [Irradiance yields 0.254 mm (0.01 inch) thickness]

Mechanical behavior

Measurement method ASTM	Performance description	Typical value
D638	Tensile Strength	45.1MPa
D638	Tensile modulus	2455MPa
D638	Elongation at break	5.8%
D790	Flexural strength	70.2MPa
D790	Flexural modulus	2556MPa
D2240	Shore hardness	80D

Thermodynamic properties

Measurement method ASTM	Performance description	UV curing ¹
D648	HDT @ 0.455MPa	50.2 °C
D648	HDT @ 1.82MPa	46.1 °C

These typical values may vary depending on different printing processes or post-processing.

Note: ¹UV post-curing for 15 minutes.

UnionTech 联泰

上海联泰科技股份有限公司
Shanghai Union Technology Corporation

Address: Room 102, Building 40, No. 258, Xinzhuang Road, Songjiang High-tech Park, Cashejing Development Zone, Shanghai (201612)

Tel: 400-138-8868, 021-6497 8786 Fax: 021-64978786/9190

Email: enquiry@uniontech3d.cn

Website: www.uniontech3d.cn

Dongguan Southern Office, China

Dongguan Tianan, No. 1 Golden Road, Nancheng District, Dongguan City

Unit 01-03-04-05, Floor 03, Building F4, Cyber City

Tianjin Tianjin Office, China

No. 42, Hongqi South Road, Nankai District, Tianjin

330, Block B, Huaxing Science and Technology Park

China Jinjiang Fujian Office

Jinjiang International, Hongshan Road, Qingyang Street, Jinjiang

2nd Floor, Building 3, Industrial Design Park