

UTR9000 Technical Data

Liquid Properties

Appearance	Opaque white liquid
Viscosity	~215 cps @ 30 °C
Density	~1.11 g/cm ³ @ 25 °C

Optical Properties

E _c	10.1 mJ/cm ² [critical exposure]
D _p	3.54 mils [slope of cure-depth vs. ln (E) curve]
E ₁₀	194 mJ/cm ² [exposure that gives 0.254 mm (0.010 inch) thickness]

Mechanical Properties

Method	Property Description	Typical Values
D638M	Tensile Strength	43.1 MPa
D638M	Tensile Strength @ Break	34.0 MPa
D638M	Tensile Modulus	2264 MPa
D638M	Elongation @ Yield	13.4 %
D638M	Elongation @ Break	3.2 %
D790M	Flexural Strength	56.5 MPa
D2240	Flexural Modulus	2071 MPa
D256A	Impact Strength (Notched)	45.3 J/m
D2240	Hardness (Shore D)	80
ISO62	Water Absorption	1.5 %

Thermal Properties

Method	Property Description	Typical Values
D648-98c	HDT @ 0.455 MPa	55.2 °C
D648-98c	HDT @ 1.81 MPa	50.6 °C

These values may vary and depend on individual machine processing and post-curing practices.



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