

D-MEC SCR9100

Epoxy; Epoxide

D-MEC Ltd.

Message:

Characteristics: Ultra-high toughness
Laser: Solid-state
Post-cure: Not needed

General Information		
Features	Ultra High Toughness	
Forms	Liquid	
Processing Method	3D Printing, Stereolithography	
Physical	Nominal Value	Unit
Density ¹	1.11	g/cm ³
Viscosity ² (30°C)	560	mPa · s
Critical Exposure	6.80	mJ/cm ²
Penetration Depth	130.0	μm
Mechanical	Nominal Value	Unit
Tensile Modulus	1100 to 1400	MPa
Tensile Strength	28.0 to 32.0	MPa
Tensile Elongation (Break)	14 to 17	%
Flexural Modulus	1200 to 1500	MPa
Flexural Strength	42.0 to 62.0	MPa
Impact	Nominal Value	Unit
Unnotched Izod Impact	32 to 43	J/m
Thermal	Nominal Value	Unit
Deflection Temperature Under Load (1.8 MPa, Unannealed)	60.0 to 65.0	°C
NOTE		
1.	Liquid Resin	
2.	Liquid Resin	

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