

D-MEC SCR9120

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	1.13	g/cm ³
Viscosity ² (30°C)	450	mPa · s
Critical Exposure	10.9	mJ/cm ²
Penetration Depth	140.0	μm
Mechanical	Nominal Value	Unit
Tensile Modulus	1200 to 1500	MPa
Tensile Strength	30.0 to 32.0	MPa
Tensile Elongation (Break)	15 to 25	%
Flexural Modulus	1300 to 1500	MPa
Flexural Strength	41.0 to 46.0	MPa
Impact	Nominal Value	Unit
Unnotched Izod Impact	48 to 53	J/m
Thermal	Nominal Value	Unit
Deflection Temperature Under Load (1.8 MPa, Unannealed)	52.0 to 61.0	°C
NOTE		
1.	Liquid Resin	
2.	Liquid Resin	

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