

D-MEC SCR710

Epoxy; Epoxide

D-MEC Ltd.

Message:

Characteristics: High toughness

Laser: Ar/solid-state

Post-cure: Not needed

General Information			
Features	Good Toughness		
Forms	Liquid		
Processing Method	3D Printing, Stereolithography		
Physical	Nominal Value	Unit	
Density ¹	1.19	g/cm ³	
Viscosity ² (25°C)	500	mPa · s	
Critical Exposure	13.0	mJ/cm ²	
Penetration Depth	135.0	μm	
Hardness	Nominal Value	Unit	
Durometer Hardness (Shore D)	81		
Mechanical	Nominal Value	Unit	
Tensile Modulus	2700	MPa	
Tensile Strength	66.0	MPa	
Tensile Elongation (Break)	10	%	
Flexural Modulus	2500	MPa	
Flexural Strength	85.0	MPa	
Impact	Nominal Value	Unit	
Unnotched Izod Impact	32 to 38	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	49.0	°C	
Glass Transition Temperature	78.0	°C	DMA
NOTE			
1.	Liquid Resin		
2.	Liquid Resin		

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