

VisiJet® SL HiTemp

Epoxy; Epoxide

3D Systems

Message:

VisiJet® SL HiTemp
High temperature resistance to 130°C+ (266°F+)
Translucent
Humidity and chemically resistant with high rigidity
Long term stable properties
Ideal for under-the-hood component testing

General Information			
Features	Moisture proof		
	Rigidity, high		
	Good stability		
	Good chemical resistance		
	Heat resistance, high		
Uses	Engineering accessories		
	Engineering application		
	Parts under the hood of a car		
Appearance	Translucent		
	Transparent amber		
Forms	Liquid		
Processing Method	stereolithography		
Physical	Nominal Value	Unit	
Density	-- ¹	1.17	g/cm ³
	-- ²	1.23	g/cm ³
Hardness	Nominal Value	Unit	
Durometer Hardness (Shore D)	86		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3390	MPa	ASTM D638
Tensile Strength	66.0	MPa	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	3080	MPa	ASTM D790
Flexural Strength	112	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	26	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed ³	130	°C	ASTM D648
0.45 MPa, not annealed	65.0	°C	ASTM D648
1.8 MPa, not annealed ⁴	110	°C	ASTM D648
1.8 MPa, not annealed	57.0	°C	ASTM D648
Glass Transition Temperature			DMA
--	62.0	°C	DMA
-- ⁵	132	°C	DMA

Additional Information

ProJet Compatability: SD, HD, MP

NOTE

1. Liquid @ 25 °C
2. Solid @ 25 °C
3. After thermal postcure @ 160 °C
4. After thermal postcure @ 160 °C
5. After thermal postcure @ 160 °C

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