Accura® SL 5530

High temperature resistant Stereolithography material

Post-Cured Material

MEASUREMENT	CONDITION	VALUE
Tensile Strength (MPa)	ASTM D 638	57-63
Tensile Modulus (MPa)	ASTM D 638	2854-3130
Elongation at Break (%)	ASTM D 638	2.7-4.4 %
Flexural Strength (MPa)	ASTM D 790	109-120
Flexural Modulus (MPa)	ASTM D 790	2972-3392
Impact Strength (J/m)	ASTM D 256	21
Heat Deflection Temperature	ASTM D 648 @ 66 PSI @ 264 PSI	 68 °C 56 °C
Glass Transition (Tg)	DMA, E″	82 °C
Hardness, Shore D	ASTM D 2240	88

Liquid Material

MEASUREMENT	CONDITION	VALUE
Viscosity	@ 28 °C (82 °F) @ 30 °C (86 °F)	270 cps 210 cps
Penetration Depth (Dp)		5.5 mils
Critical Exposure (Ec)		7.5 mJ/cm^2
Color		Clear Amber
Solid Density	@ 25 °C (77 °F)	1.25 g/cm^3 at 25 °C
Liquid Density	@ 25 °C (77 °F)	1.19 g/cm^3 at 25 °C
Tested Build Styles		EXACT™

Features

- High temperature resistance
- Very high throughput material
- Good water resistance
- Suitable for under-the-hood applications
- Suitable for electrical applications
- Resistant to automotive fluids

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