



Accura[®] CastPro[™] Free (SL 7800)

Casting Class

Stable material for casting patterns free of heavy metals using QuickCast[™] technology

Post-Cured Material

MEASUREMENT	CONDITION	METRIC	U.S.
Tensile Strength (MPa/PSI)	ASTM D 638	45-48	6530-6960
Tensile Modulus (MPa/KSI)	ASTM D 638	1940-2350	281-341
Elongation at Break (%)	ASTM D 638	9-19	9-19
Flexural Strength (MPa/PSI)	ASTM D 790	81-83	11750-12035
Flexural Modulus (MPa/KSI)	ASTM D 790	2200-2480	319-360
Impact Strength (J/m /Ft-lbs/in)	ASTM D 256	35-50	0.66-0.94
Heat Deflection Temperature	ASTM D 648 @ 66 PSI	62 °C	144 °F
Coefficient of Thermal Expansion (µm/m-°C / µm/in-°F)	ASTM E 831-93 25-50 °C	100	52
Glass Transition (Tg)	DMA, E''	57 °C	134 °F
Hardness, Shore D		87	87

Features

- Produce accurate QuickCast[™] patterns
- Excellent humidity/moisture resistance
- Free of antimony for cleaner burnout

Liquid Material

MEASUREMENT	CONDITION	VALUE
Viscosity	@ 30 °C (86 °F)	205 cps
Penetration Depth (Dp)		5.74 mils
Critical Exposure (Ec)		9.98 mJ/cm ²
Color		Clear Amber
Solid Density	@ 25 °C (77 °F)	1.15 g/cm ³ at 25 °C
Liquid Density	@ 25 °C (82 °F)	1.12 g/cm ³ at 25 °C



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