



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 ($\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$ / $\mu\text{m}/\text{in}\cdot^{\circ}\text{F}$)	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)	190 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



www.3dsystems.com

Warranty/Disclaimer: The performance characteristics of these products may vary according to product application, operating conditions, or with end use. 3D Systems makes no warranties of any type, express or implied, including, but not limited to, the warranties of merchantability or fitness for a particular use.

© 2020 by 3D Systems, Inc. All rights reserved. Specifications subject to change without notice. 3D Systems, the 3D Systems logo, and Accura are registered trademarks of 3D Systems, Inc.