



Accura[®] CastPro[™]

Casting Class

Highly accurate material for stable investment casting patterns using QuickCast[™] technology

Post-Cured Material

MEASUREMENT	CONDITION	METRIC	U.S.
Tensile Strength (MPa/PSI)	ASTM D 638	52-53	7540-7690
Tensile Modulus (MPa/KSI)	ASTM D 638	2490-2620	361000-380000
Elongation at Break (%)	ASTM D 638	4.1-8.3	4.1-8.3
Flexural Strength (MPa/PSI)	ASTM D 790	82-84	11890-12180
Flexural Modulus (MPa/KSI)	ASTM D 790	2310-2340	335000-339000
Impact Strength (J/m /Ft-lbs/in)	ASTM D 256	43-49.5	0.80-0.92
Heat Deflection Temperature	ASTM D 648 @ 66 PSI @ 264 PSI	51 50	124 122
Coefficient of Thermal Expansion (CTE)	ASTM E 831-93 0-40 °C 50-140 °C	102.9 160.2	57.2 89
Water Absorption (%)	ASTM D 570-98	0.33	0.33
Glass Transition (Tg)	DMA, E''	60-62	140-144
Hardness, Shore D		85	85

Features

- Produce accurate QuickCast[™] patterns
- Excellent humidity/moisture resistance
- High production speed

Liquid Material

MEASUREMENT	CONDITION	VALUE
Viscosity	@ 30 °C (86 °F)	240-260 cps
Penetration Depth (Dp)		6.2 mils
Critical Exposure (Ec)		8.7 mJ/cm ²
Color		Clear Amber
Solid Density	@ 25 °C (77 °F)	1.17 g/cm ³
Liquid Density	@ 25 °C (77 °F)	1.08 g/cm ³



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