

ClearVue

Material for the SLA process

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Technical Data Sheet

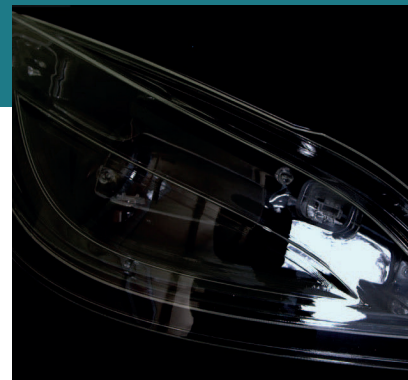
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Features, benefits and applications

- Transparent assemblies including headlamps and bottles
- Rigid and tough
- Excellent humidity/moisture resistance
- Capable of meeting USP Class VI

Machines

- Available on iPro 8000 and Viper SLA machines



Post-Cured Material

Measurement	Condition	Metric	Imperial
Tensile Strength	ASTM D 638	41-46 MPa	5950-6670 PSI
Tensile Modulus	ASTM D 638	2030-2220 MPa	294-322 KSI
Elongation at Break	ASTM D 638	4-7%	4-6%
Flexural Strength	ASTM D 790	53-67 MPa	7690-9720 PSI
Flexural Modulus	ASTM D 790	1560-2040 MPa	226-296 KSI
Impact Strength	ASTM D 256	43-67 J/m	0.81-1.26 Ft-lbs/in
Heat Deflection Temperature	ASTM D 648 @ 66 PSI @ 264 PSI	46°C 41°C	115°F 106°F
Coefficient of Thermal Expansion (CTE)	ASTM E 831-93 < 35°C > 60°C	70 160	70 160
Glass Transition (Tg)	DMA, E''	56°C	133°F
Shore D	-	84	84
Colour	-	Clear	-
Solid Density	@ 25°C (77°F)	1.17g/cm ³	-

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