



Accura[®] ClearVue[™] Free (SL 7870)

Clear Class

High clarity plastic for a multitude of applications

Post-Cured Material

MEASUREMENT	CONDITION	METRIC	U.S.
Tensile Strength (MPa/PSI)	ASTM D 638	38-42	5470-6050
Tensile Modulus (MPa/KSI)	ASTM D 638	1940-2250	281-326
Elongation at Break (%)	ASTM D 638	10-22	10-22
Flexural Strength (MPa/PSI)	ASTM D 790	73-76	10585-11020
Flexural Modulus (MPa/KSI)	ASTM D 790	1940-2250	281-326
Impact Strength (J/m /Ft-lbs/in)	ASTM D 256	23-51	0.43-0.96
Heat Deflection Temperature	ASTM D 648 @ 66 PSI @ 264 PSI	48 °C 41 °C	118 °F 106 °F
Coefficient of Thermal Expansion (CTE)	ASTM E 831-93 30-50 °C 70-140 °C	97 216	54 120
Water Absorption (%)	ASTM D 570-98	0.38	0.38
Glass Transition (Tg)	DMA, E"	56 °C	133 °F
Hardness, Shore D		86	86

Liquid Material

MEASUREMENT	CONDITION	VALUE
Viscosity	@ 30 °C (86 °F)	180 cps
Penetration Depth (Dp)		7.2 mils
Critical Exposure (Ec)		10.6 mJ/cm ²
Color		Clear
Solid Density	@ 25 °C (77 °F)	1.15 g/cm ³
Liquid Density	@ 28 °C (82 °F)	1.13 g/cm ³

Features

- Clear and transparent
- Rigid and tough
- Great for headlamps, bottles and transparent assemblies
- Excellent humidity/moisture resistance



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