

# Accura® ClearVue™ Free (SL 7870)

High clarity plastic for a multitude of applications



## Technical Data

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	1980-2310	286-333
Impact Strength (J/m /Ft-lbs/in)	ASTM D 256	23-51	0.43-0.96
Heat Deflection	ASTM D 648 @ 66 PSI	48 °C	118 °F
	@ 264 PSI	41 °C	106 °F
Coefficient of Thermal Expansion (CTE)	ASTM E 831-93 25-50 °C	97 µ mm/m °C	54 µ in/in °F
	50-100 °C	216 µ mm/m °C	120 µ in/in °F
Glass Transition (Tg)	DMA, E''	56 °C	133 °F
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 <sup>2</sup>
Color		Clear
Solid Density	@ 25 °C (77 °F)	1.15 g/cm <sup>3</sup>
Liquid Density	@ 28 °C (82 °F)	1.13 g/cm <sup>3</sup>

## Features

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



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