



Accura[®] ABS White (SL 7810)

ABS Class

Rigid and tough white plastic to simulate and replace CNC-machined ABS articles

Post-Cured Material

MEASUREMENT	CONDITION	METRIC	U.S.
Tensile Strength (MPa/PSI)	ASTM D 638	46-48	6670-6960
Tensile Modulus (MPa/KSI)	ASTM D 638	2290-2400	332-348
Elongation at Break (%)	ASTM D 638	8-14	8-14
Flexural Strength (MPa/PSI)	ASTM D 790	74-76	10730-11020
Flexural Modulus (MPa/KSI)	ASTM D 790	2040-2120	296-307
Impact Strength (J/m /Ft-lbs/in)	ASTM D 256	24-47	0.45-0.88
Heat Deflection Temperature	ASTM D 648 @ 66 PSI	51 °C	124 °F
Coefficient of Thermal Expansion (CTE)	ASTM E 831-93 25-50 °C	96	53
Glass Transition (Tg)	DMA, E''	63 °C	145 °F
Hardness, Shore D		86	86

Features

- Rigid and tough
- Functional assemblies
- Short-run production parts

Liquid Material

MEASUREMENT	CONDITION	VALUE
Viscosity	@ 30 °C (86 °F)	200 cps
Penetration Depth (Dp)		5.6 mils
Critical Exposure (Ec)		9.9 mJ/cm ²
Color		White
Solid Density	@ 25 °C (77 °F)	1.16 g/cm ³
Liquid Density	@ 25 °C (82 °F)	1.13 g/cm ³



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