

SLA MATERIAL SPECIFICATIONS

SLA WHITE

HIGHLIGHTS

- Accurate SLA prototyping plastic material
- Built in 0.004" layer thickness, produces good raw surface finish
- Excellent sidewall quality
- Lowest deformation due to shrink

APPLICATIONS

- Master patterns
- General purpose prototyping
- Excellent for form-fit models

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	English	Metric
Color/Appearance	Visual	White	White
Density (as cured)	Measured	0.0408 lb/in ³	1.13 g/cm ³
Shore D Hardness	ASTM D2240	86 D	86 D
Tensile Strength	ASTM D638	6,382 psi	44 MPa
Tensile Modulus	ASTM D638	304,579 psi	2,100 MPa
Elongation at Break	ASTM D638	10-20%	10-20%
Flexural Strength	ASTM D790	9,572 psi	66 MPa
Flexural Modulus	ASTM D790	311,831 psi	2,150 MPa
Impact Strength (Notched Izod)	ASTM D256	0.87 ft-lb/in	46 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	124°F	51°C
Glass Transition (Tg)	DSC (SSYS)	226°F	108°C
Flame Classification	UL94	UL94 HB (0.06", 1.5 mm)	UL94 HB (0.06", 1.5 mm)
Specific Gravity	ASTM D792	1.04	1.04
Dielectric Strength	IEC 60112	28.0 kV/mm	28.0 kV/mm

SLA Material Datasheet 2015-09



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