

Accura[®] PP White (SL 7811)

PP Class

Flexible and tough plastic to simulate and replace CNC-machined white polypropylene articles

Post-Cured Material

MEASUREMENT	CONDITION	METRIC	U.S.
Tensile Strength (MPa/PSI)	ASTM D 638	40-42	5800-6090
Tensile Modulus (MPa/KSI)	ASTM D 638	2030-2230	294-323
Elongation at Break (%)	ASTM D 638	7-13 %	7-13 %
Flexural Strength (MPa/PSI)	ASTM D 790	64-66	9280-9570
Flexural Modulus (MPa/KSI)	ASTM D 790	1960-2060	284-299
Impact Strength (J/m /Ft-lbs/in)	ASTM D 256	42-59	0.78-1.10
Heat Deflection Temperature	ASTM D 648 @ 66 PSI	47 °C	117 °F
Coefficient of Thermal Expansion (µm/m-°C / µm/in-°F)	ASTM E 831-93 25-50 °C 50-100 °C	92 µ mm/m °C 207 µ mm/m °C	51 µin/in °F 115 µin/in °F
Glass Transition (Tg)	DMA, E''	56 °C	133 °F
Hardness, Shore D		86	86

Features

- Flexible and tough
- Snap fit assemblies
- Master patterns for vacuum casting
- Durable functional prototypes

Liquid Material

MEASUREMENT	CONDITION	VALUE
Viscosity	@ 30 °C (86 °F)	210 cps
Penetration Depth (Dp)		5.25 mils
Critical Exposure (Ec)		10.97 mJ/cm ²
Color		White
Solid Density	@ 25 °C (77 °F)	1.15 g/cm ³ at 25 °C
Liquid Density	@ 25 °C (82 °F)	1.11 g/cm ³ at 25 °C



middle east
3D PRINTING THE FUTURE

3D SYSTEMS[®]
DISTRIBUTOR | Middle East & North Africa

U.A.E Office : 3204, Prism Tower, Business Bay, P.O. Box 28820, Dubai, U.A.E.
K.S.A Office : Al Saif Tower, 6th Floor, King Abdullah Street, Near Intersection with Olaya Street, Riyadh, K.S.A.
Tel : +971.4.443.3853 ; Fax : +971.4.443.3938 ; Email : info@3d-me.com ; Website: www.3d-me.com