

# Accura<sup>®</sup> 25

Flexible plastic to simulate and replace CNC machined white polypropylene articles



## Technical Data

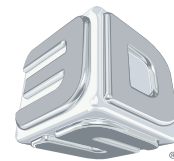
Post-Cured Material			
Measurement	Condition	Metric	U.S.
Tensile Strength (MPa/PSI)	ASTM D 638	55-58	5540-5570
Tensile Modulus (MPa/KSI)	ASTM D 638	1590-1660	230-240
Elongation at Break (%)	ASTM D 638	13-20	13-20
Flexural Strength (MPa/PSI)	ASTM D 790	55-58	7960-8410
Flexural Modulus (MPa/KSI)	ASTM D 790	1380-1660	200-240
Impact Strength (J/m /Ft-lbs/in)	ASTM D 256	19-24	0.4
Heat Deflection Temperature (°C/°F)	ASTM D 648 @ 66 PSI	58-63	136-145
	@ 264 PSI	51-55	124-131
Coefficient of Thermal Expansion ( $\mu$ mm/m °C / $\mu$ in/in °F)	ASTM E 831-93 TMA (T<Tg, 0-20 °C)	107 x 10 <sup>-6</sup>	59.4
	TMA (T<Tg, 75-140 °C)	151 x 10 <sup>-6</sup>	83.9
Glass Transition - Tg (°C/°F)	DMA, E''	72-74	162-165
Shore D		80	80

### Liquid Material

Measurement	Condition	Value
Viscosity	@ 30 °C (86 °F)	250 cps
Penetration Depth (Dp)		4.2 mils
Critical Exposure (Ec)		10.5 mJ/cm <sup>2</sup>
Color		White
Solid Density	@ 25 °C (77 °F)	1.19 g/cm <sup>3</sup> at 25 °C
Liquid Density	@ 25 °C (77 °F)	1.13 g/cm <sup>3</sup> at 25 °C

## Features

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



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