



Accura[®] 25

PP Class

Flexible 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	38	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	ASTM D 648 @ 66 PSI @ 264 PSI	58-63 °C 51-55 °C	136-145 °F 124-131 °F
Coefficient of Thermal Expansion (CTE)	ASTM E 831-93 TMA (T<Tg, 0-20 °C) TMA (T<Tg, 75-140 °C)	107 x 10 ⁻⁶ 151 x 10 ⁻⁶	59.4 83.9
Glass Transition (Tg)	DMA, E''	72-74	162-165
Hardness, Shore D		80	80

Liquid Material

MEASUREMENT	CONDITION	VALUE
Viscosity	@ 30 °C (86 °F)	230 cps
Penetration Depth (Dp)		4.2 mils
Critical Exposure (Ec)		10.5 mJ/cm ²
Color		White
Solid Density	@ 25 °C (77 °F)	1.19 g/cm ³ at 25 °C
Liquid Density	@ 25 °C (77 °F)	1.13 g/cm ³ at 25 °C

Features

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



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