# Accura® Xtreme™ White 200 Plastic

Ultra tough white plastic to replace CNC Machined polypropylene and ABS articles







### Technical Data

#### **Post-Cured Material** Measurement Condition Metric Low High Low High Tensile Strength (MPa/PSI) ASTM D 638 45 50 6530 7250 Tensile Modulus (MPa/KSI) ASTM D 638 2300 2630 334 381 **Elongation at Break** ASTM D 638 7% 20% 7% 20% 11460 Flexural Strength (MPa/PSI) **ASTM D 790** 75 79 10880 370 Flexural Modulus(MPa/KSI) **ASTM D 790** 2350 2550 341 55 1.24 Impact Strength (J/m /Ft-lbs/in) ASTM D 256 66 1.03 Heat Deflection ASTM D 648 @ 66 PSI 47°C 117°F @ 264 PSI 42°C 108°F Coefficient of Thermal Expansion ASTM E 831-93 30-50°C (CTE) 95 53 70-140°C 180 100 Water Absorption ASTM D 570-98 0.38% 0.38% Glass Transition (Tg) DMA, E" 52°C 126°F Shore D 78-80 78-80

### Liquid Material

Measurement	Condition	Value
Viscosity	@ 30 °C (86 °F)	650-750 cps
Penetration Depth (Dp)		4.6 mils
Critical Exposure (Ec)		8.3 mJ/cm <sup>2</sup>
Color		White
Solid Density	@ 25 °C (77 °F)	1.18 g/cm <sup>3</sup>
Liquid Density	@ 25 °C (77 °F)	1.12 g/cm <sup>3</sup>

## **Features**

- Exceptionally tough and durable
- Resists breakage and handles challenging functional assemblies
- Great for snap fits, assemblies and demanding applications
- Ideal for master patterns for vacuum casting



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