



erpro & sprint
additive manufacturing

Tough/Durable Class

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		U.S.	
		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%
Flexural Strength (MPa/PSI)	ASTM D 790	75	79	10880	11460
Flexural Modulus (MPa/KSI)	ASTM D 790	2350	2550	341	370
Impact Strength (J/m /Ft-lbs/in)	ASTM D 256	55	66	1.03	1.24
Heat Deflection	ASTM D 648 @ 66 PSI @ 264 PSI	47°C		117°F	
		42°C		108°F	
Coefficient of Thermal Expansion (CTE)	ASTM E 831-93 30-50°C 70-140°C	95		53	
		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 ²
Color		White
Solid Density	@ 25 °C (77 °F)	1.18 g/cm ³
Liquid Density	@ 25 °C (77 °F)	1.12 g/cm ³

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