

Xtreme White Material for the SLA process

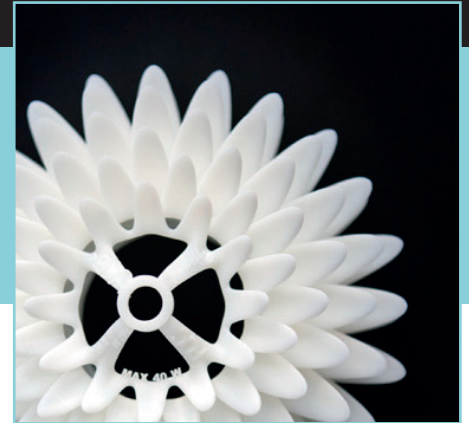
Technical Data Sheet

Features, benefits and applications

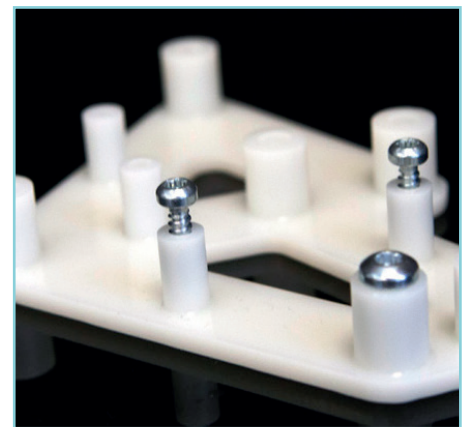
- Exceptionally tough and durable
- Resists breakage and handles challenging functional assemblies
- Great for snap fits, assemblies and demanding applications
- Ideal for master patterns for vacuum casting

Machines

- Available on 3500 and Viper SLA machines



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	47°C		117°F	
	@ 264 PSI	42°C		108°F	
Coefficient of Thermal Expansion (CTE)	ASTM E 831-93				
	30-50°C	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	Metric
Viscosity	@ 30°C (86°F)	650-750cps
Penetration Depth (Dp)	-	4.6mils
Critical Exposure (Ec)	-	8.3mJ/cm ²
Colour	-	White
Solid Density	@ 25°C (77°F)	1.18g/cm ³
Liquid Density	@ 25°C (77°F)	1.12g/cm ³

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