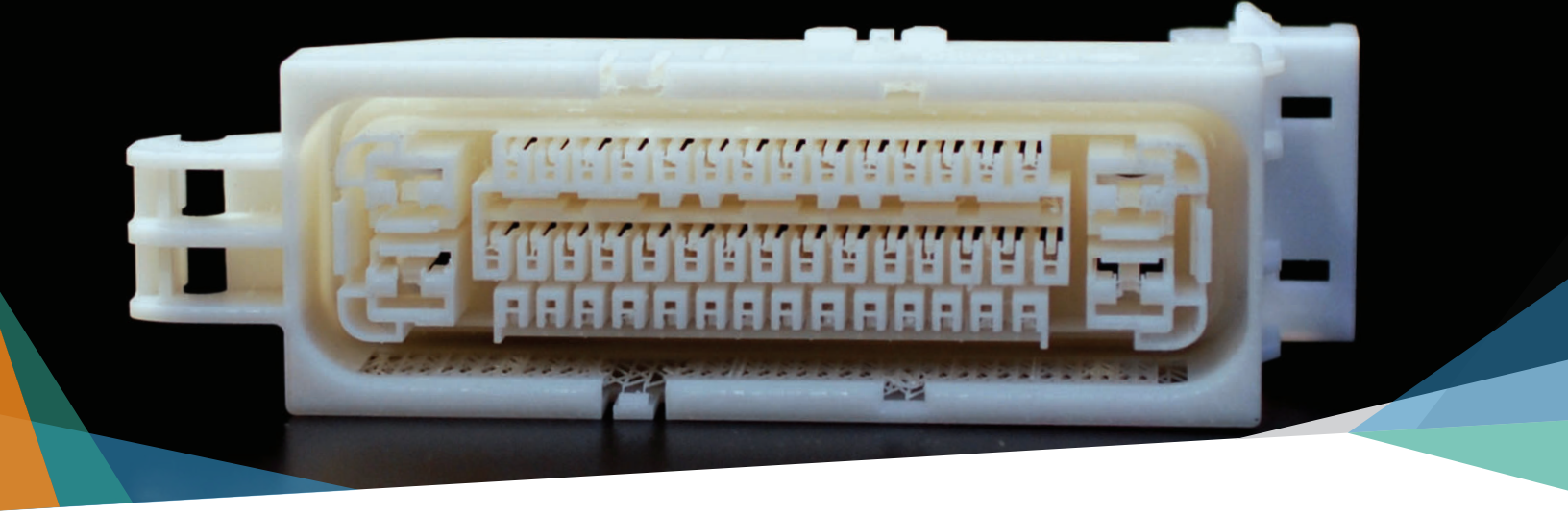


Accura® Xtreme™ White 200

Tough/Durable Class

Stereolithography (SLA)

Ultra-tough white plastic with outstanding durablity, accuracy and aesthetics to replace CNC-machined polypropylene and ABS articles.

GET EXTREME PERFORMANCE AND DURABILITY

With outstanding toughness, Accura Xtreme White 200 offers high elongation at break, high impact strength and the stiffness and durability of Polypropylene and ABS plastics. This material is the top choice for functional assemblies that must stand up to the harshest, most demanding environments and it is even good for drill/tap applications.

The Accura Xtreme White 200 exhibits fast build speeds for high throughput, excellent detail fidelity and nice sidewall quality, reflecting a stunning white finish that replicates the look and feel of an injection molded part.

Liquid Material

MEASUREMENT	CONDITION	VALUE
Viscosity	@ 30 °C (86 °F)	710 cps
Penetration Depth (Dp)		4.6 mils
Critical Exposure (Ec)		8.3 mJ/cm^2
Color		White
Liquid Density	@ 25 °C (77 °F)	1.12 g/cm^3 | 0.04 lbs/in^3

Printer Compatibility/Packaging:

ProJet® 6000/7000 SLA printers:	2L cartridge
ProX® 800, iPro™ 8000, ProX 950 SLA printers:	10 kg cartridge
Viper si2™, SLA 5000 and SLA 7000 printers:	10 kg standard bottle Ü

APPLICATIONS

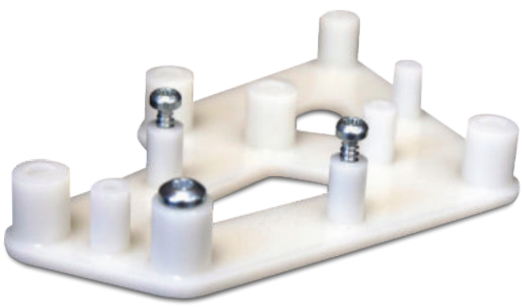
- Form, fit and function prototypes
- Durable and challenging assemblies
  - Snap fit assemblies
  - Assemblies with self-tapping screws
  - Tough enclosures
  - Consumer electronic components
- General purpose prototyping
- Master patterns for RTV/silicone molding
- Replace CNC machining of Polypropylene and ABS

BENEFITS

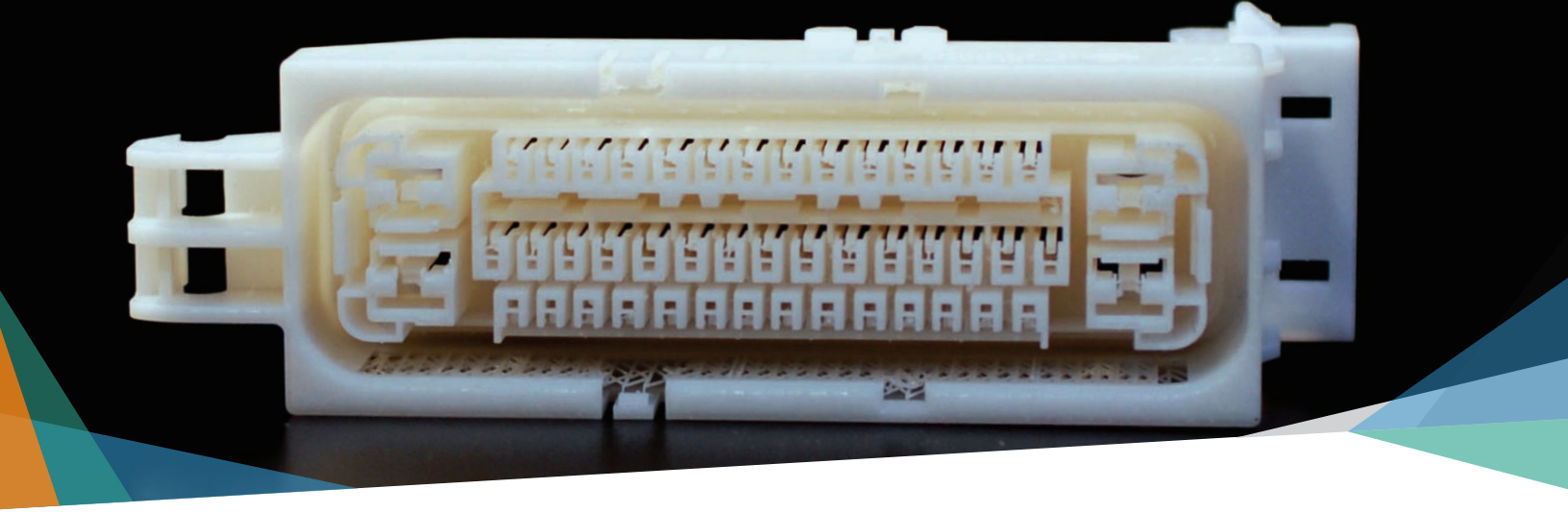
- Robust parts resisting breakage
- Handles challenging functional assemblies
- Increased application opportunities
- Aesthetics of molded parts
- Ease-of-use and fast processing

FEATURES

- Outstanding durability and impact resistance
- Look and feel of a durable molded plastic
- Excellent accuracy
- Good moisture resistance
- Low viscosity formulation



3D SYSTEMS®



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Stereolithography (SLA)

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POST-CURED MATERIAL

MECHANICAL PROPERTIES		LARGE FRAME SLA PRINTERS		PROJET SLA PRINTERS[1]	
MEASUREMENT	CONDITION	METRIC	U.S.	METRIC	U.S.
Tensile Strength (MPa | PSI)	ASTM D 638	45-50	6530-7250	48	6960
Tensile Modulus (MPa | KSI)	ASTM D 638	2300-2630	334-381	2630	381
Elongation at Break	ASTM D 638	7-20 %		14 %	
Flexural Strength (MPa | PSI)	ASTM D 790	75-79	10880-11460	74	10730
Flexural Modulus (MPa | KSI)	ASTM D 790	2350-2550	341-370	2390	347
Impact Strength (J/m | Ft-lbs/in)	ASTM D 256	55-66	1.0-1.2	65	1.2
Heat Deflection Temperature @ 0.45 MPa (66 PSI) @ 1.82 MPa (264 PSI)	ASTM D 648	 47 °C 42 °C	 117 °F 108 °F	 47 °C 42 °C	 117 °F 108 °F
Coefficient of Thermal Expansion (CTE) (µm/m-°C | µin/in-°F)	ASTM E 831-93 30-50 °C 70-140 °C	 95 180	 53 100	 NA NA	 NA NA
Glass Transition (Tg)	DMA, E"	52 °C	126 °F	65 °C	149 °F
Hardness, Shore D		78-80		80	
Water Absorption	ASTM D 570-98	0.38 %		NA	
Solid Density (g/cm^3 | lbs/in^3)	@ 25 °C (77 °F)	1.18	0.043	1.18	0.043

[1] Accura Xtreme White 200 was also previously marketed under the VisiJet® SL Impact name for the ProJet 6000 and 7000 printers

3D SYSTEMS®

www.3dsystems.com

09-20