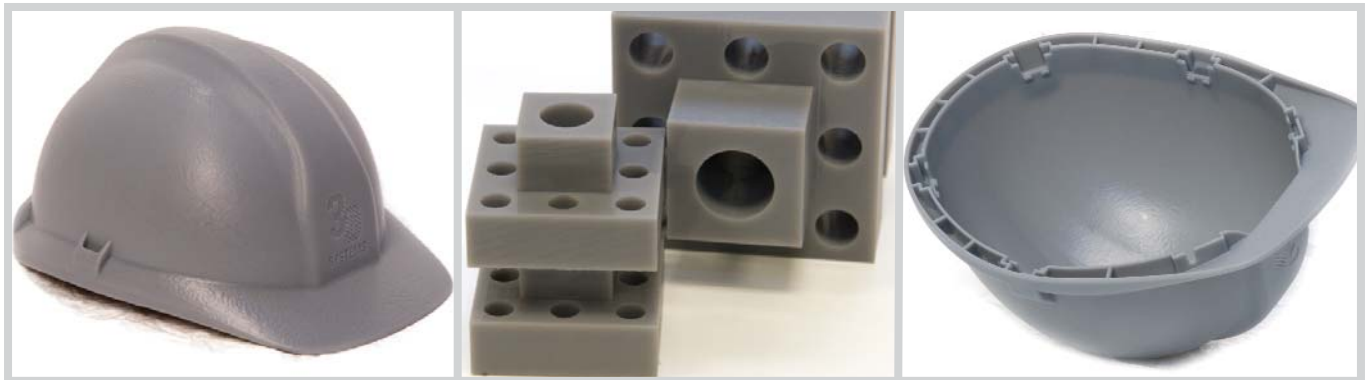




Accura® Xtreme Plastic

for use with solid-state stereolithography (SLA®) systems

Get extreme performance and durability with Accura® Xtreme Plastic.



APPLICATIONS

- Form, fit and function prototypes
- Durable Assemblies
 - Snap fit assemblies
 - Tough enclosures
 - Consumer electronic components
- Master patterns for RTV/Silicone moulding
- Replace CNC machining of Polypropylene and ABS

FEATURES

- Look and feel of a durable moulded plastic
- Outstanding durability and impact resistance
- Thermal resistance over 60° C
- Easy to use low viscosity formulation
- Fully developed and tested build styles

BENEFITS

- Increased application opportunities
- Suitable for assemblies and functional testing
- Prototypes withstand modest temperatures without distortion
- Faster recoating and build times
- Maximise reliability with no user R&D

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TECHNICAL DATA

Liquid Material

MEASUREMENT	CONDITION	VALUE:
Appearance		Grey
Liquid Density	@ 25 °C (77 °F)	1.13 g/cm ³
Solid Density	@ 25 °C (77 °F)	1.19 g/cm ³
Viscosity	@ 30 °C (86 °F)	250 - 300 cps
Penetration Depth (Dp) *		4.1 mils
Critical Exposure (Ec) *		11.7 mJ/cm ²
Tested Build Styles		EXACT™

Post-Cured Material

MEASUREMENT	CONDITION	VALUE:
Tensile Strength	ASTM D 638	38 - 44 MPa (5510 - 6380 PSI)
Tensile Modulus	ASTM D 638	1790 - 1980 MPa (260 - 287 KSI)
Elongation at Break (%)	ASTM D 638	14 - 22 %
Flexural Strength	ASTM D 790	52-71 MPa (7540 - 10300 PSI)
Flexural Modulus	ASTM D 790	1520 - 2070 MPa (220 - 300 KSI)
Impact Strength (Notched Izod)	ASTM D 256	35 - 52 J/m (0.66 - 0.98 ft-lb/in)
Heat Deflection Temperature	ASTM D 648	
	@ 0.45 MPa (66 PSI)	62 °C (144 °F)
	@ 1.82 MPa (264 PSI)	54 °C (129 °F)

* Dp/Ec values are the same on all solid-state laser SLA® systems.



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