

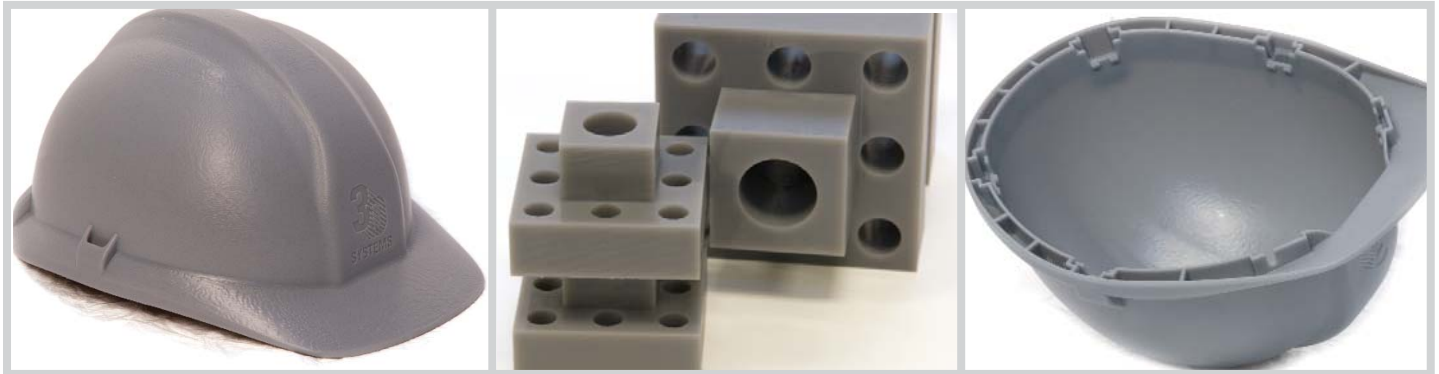


# Accura<sup>®</sup> Xtreme Plastic

for use with solid-state Stereolithography (SLA<sup>®</sup>) Systems



**Get extreme performance and durability with Accura<sup>®</sup> Xtreme Plastic.**



## APPLICATIONS

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

## FEATURES

- Look and feel of a durable molded 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
- Maximize reliability with no user R&D

# Accura® Xtreme Plastic

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



## TECHNICAL DATA

### Liquid Material

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

### Post-Cured Material

MEASUREMENT	CONDITION	METRIC	US
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 %	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		
	@ 66 PSI	62 °C	144 °F
	@ 264 PSI	54 °C	129 °F

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



**SYSTEMS**

TRANSFORM YOUR PRODUCTS

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