

## 3D Systems Accura® Xtreme Plastic for SLA® Systems

Category : Polymer , Rapid Prototyping Polymer

### Material Notes:

For use with solid-state stereolithography (SLA®) systems  
 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  
 All information provided by 3D Systems.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3D-Systems-Accura-Xtreme-Plastic-for-SLA-Systems.php](http://www.lookpolymers.com/polymer_3D-Systems-Accura-Xtreme-Plastic-for-SLA-Systems.php)

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in <sup>3</sup>	Liquid
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	1.19 g/cc	0.0430 lb/in <sup>3</sup>	Solid
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	250 - 300 cP	250 - 300 cP	
	@Temperature 30.0 °C	@Temperature 86.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	86	86	
Tensile Strength, Yield	38.0 - 44.0 MPa	5510 - 6380 psi	ASTM D638
Elongation at Break	14 - 22 %	14 - 22 %	ASTM D638
Tensile Modulus	1.79 - 1.98 GPa	260 - 287 ksi	ASTM D638
Flexural Strength	52.0 - 71.0 MPa	7540 - 10300 psi	ASTM D790
Flexural Modulus	1.52 - 2.07 GPa	220 - 300 ksi	ASTM D790
Izod Impact, Notched	0.350 - 0.520 J/cm	0.656 - 0.974 ft-lb/in	ASTM D256
Penetration	4.1	4.1	mils

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	62.0 °C	144 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	54.0 °C	129 °F	ASTM D648
Glass Transition Temp, Tg	52.0 °C	126 °F	DMA, E"

Thermal Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Appearance		Grey	
Critical Exposure (mJ/cm <sup>2</sup> )		11.7	

## Contact Songhan Plastic Technology Co.,Ltd.

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