

## 3D Systems Accura® 25 Plastic for SLA® Systems

Category : Polymer , Rapid Prototyping Polymer

### Material Notes:

For use with solid-state stereolithography (SLA®) systems. Applications Functional components for assemblies and mock-ups for: Automotive styling parts – trim, fascia, and other components Consumer electronic components Toys Snap fit assemblies Master patterns for RTV/silicone molding Replace CNC machining of polypropylene to produce short-run plastic parts Simulate injection molded parts Concept and marketing models Features Look and feel of molded polypropylene High flexibility with excellent shape retention Outstanding feature resolution and accuracy High production speed 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-25-Plastic-for-SLA-Systems.php](http://www.lookpolymers.com/polymer_3D-Systems-Accura-25-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 cP	250 cP	
	@Temperature 30.0 °C	@Temperature 86.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	
Tensile Strength, Yield	38.0 MPa	5510 psi	ASTM D638
Elongation at Break	13 - 20 %	13 - 20 %	ASTM D638
Tensile Modulus	1.59 - 1.66 GPa	231 - 241 ksi	ASTM D638
Flexural Strength	55.0 - 58.0 MPa	7980 - 8410 psi	ASTM D790
Flexural Modulus	1.38 - 1.66 GPa	200 - 241 ksi	
Izod Impact, Notched	0.190 - 0.240 J/cm	0.356 - 0.450 ft-lb/in	ASTM D256
Penetration	4.2	4.2	mils

Thermal Properties	Metric	English	Comments
CTE, linear	107 µm/m-°C	59.4 µin/in-°F	T<Tg; ASTM E831-93
	@Temperature 0.000 - 20.0 °C	@Temperature 32.0 - 68.0 °F	

Thermal Properties	Metric °C	English °F	Comments
	@Temperature 90.0 - 150 °C	@Temperature 194 - 302 °F	T>Tg; ASTM E831-93
Deflection Temperature at 0.46 MPa (66 psi)	58.0 - 63.0 °C	136 - 145 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	51.0 - 55.0 °C	124 - 131 °F	ASTM D648
Glass Transition Temp, Tg	60.0 °C	140 °F	DMA, E"

Descriptive Properties	Value	Comments
Appearance	White	
Critical Exposure (mJ/cm <sup>2</sup> )	10.5	
Tested Build Styles	FAST™, EXACT™, Exact HR	

## Contact Songhan Plastic Technology Co.,Ltd.

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