

3D Systems Accura® accuGen™ HC and Ar Plastic for the SLA® 500 System

Category : Polymer , Rapid Prototyping Polymer

Material Notes:

Our most versatile material combines accuracy, green strength, and build chamber environment independence. For the SLA® 500 system. All information provided by 3D Systems.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3D-Systems-Accura-accuGen-HC-and-Ar-Plastic-for-the-SLA-500-System.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	Liquid
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Viscosity	485 cP	485 cP	
	@Temperature 30.0 °C	@Temperature 86.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	84	84	ASTM D2240
Tensile Strength, Yield	55.0 - 57.0 MPa	7980 - 8270 psi	ASTM D638
Elongation at Break	5.8 - 7.8 %	5.8 - 7.8 %	ASTM D638
Tensile Modulus	2.701 - 2.978 GPa	391.7 - 431.9 ksi	ASTM D638
Flexural Strength	80.0 - 83.0 MPa	11600 - 12000 psi	ASTM D790
Flexural Modulus	2.147 - 2.286 GPa	311.4 - 331.6 ksi	ASTM D790
Izod Impact, Notched	0.202 - 0.213 J/cm	0.378 - 0.399 ft-lb/in	ASTM D256
Penetration	4.4	4.4	mils

Thermal Properties	Metric	English	Comments
CTE, linear	62.0 µm/m-°C	34.4 µin/in-°F	T<Tg; ASTM E831-93
	108 µm/m-°C	60.0 µin/in-°F	T>Tg; ASTM E831-93
Deflection Temperature at 0.46 MPa (66 psi)	57.0 °C	135 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	51.0 °C	124 °F	ASTM D648
Glass Transition Temp, Tg	40.0 °C	104 °F	DMA, E"

Descriptive Properties	Value	Comments
Appearance	Clear amber	
Critical Exposure (mJ/cm ²)	7.4	
Tested Build Styles	EXACT™, QuickCast	

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