

3D Systems Accura® accuGen™ HC and Ar Plastic for the SLA® 250 System

Category : Polymer , Rapid Prototyping Polymer

Material Notes:

Our most versatile material combines accuracy, green strength, and build chamber environment independence. For the SLA® 250 system. Typical Applications Multi-purpose models RTV mold patterns Form/Fit/Function QuickCast™ patterns for investment casting Master patterns for secondary processes Prototype tooling 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-250-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	86	86	ASTM D2240
Tensile Strength, Yield	64.0 - 65.0 MPa	9280 - 9430 psi	ASTM D638
Elongation at Break	4.6 - 5.6 %	4.6 - 5.6 %	ASTM D638
Tensile Modulus	2.84 - 3.117 GPa	412 - 452.1 ksi	ASTM D638
Flexural Strength	91.0 - 92.0 MPa	13200 - 13300 psi	ASTM D790
Flexural Modulus	2.494 - 2.632 GPa	361.7 - 381.7 ksi	ASTM D790
Izod Impact, Notched	0.202 - 0.245 J/cm	0.378 - 0.459 ft-lb/in	ASTM D256
Penetration	3.92	3.92	mils

Thermal Properties	Metric	English	Comments
CTE, linear	69.5 μm/m-°C	38.6 μin/in-°F	T<Tg; ASTM E831-93
	107 μm/m-°C	59.4 μin/in-°F	T>Tg; ASTM E831-93
Deflection Temperature at 0.46 MPa (66 psi)	59.0 °C	138 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	57.0 °C	135 °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)	7.27	
Tested Build Styles	EXACT™, QuickCast	

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