Accura® 25

Unspecified

3D Systems

Message:

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
Benefits
Increased market opportunities for models
Reliable and robust functional prototypes
Suitable for master patterns
More parts and better system utilization
Maximize reliability with no user R&D

General Information		
Features	Good Dimensional Stability	
	Good Flexibility	
	Good Surface Finish	
Uses	Automotive Applications	
	Automotive Exterior Trim	
	Automotive Interior Trim	
	Consumer Applications	
	Electrical/Electronic Applications	
	Modeling Material	
	Molds/Dies/Tools	
	Prototyping	
	Toys	
Appearance	White	
Forms	Liquid	
Processing Method	3D Printing, Stereolithography	
Physical	**Nominal Value**	**Unit**
Density		

-- [1]	1.13	g/cm³	
-- [2]	1.19	g/cm³	
Viscosity (30°C)	250	mPa·s	
Critical Exposure	10.5	mJ/cm²	
Penetration Depth	106.7	µm	
Hardness	Nominal Value	Unit	
Durometer Hardness (Shore D)	80		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1590 to 1660	MPa	ASTM D638
Tensile Strength	38.0	MPa	ASTM D638
Tensile Elongation (Break)	13 to 20	%	ASTM D638
Flexural Modulus	1380 to 1660	MPa	ASTM D790
Flexural Strength	55.0 to 58.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	19 to 24	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	58.0 to 63.0	°C	
1.8 MPa, Unannealed	51.0 to 55.0	°C	
Glass Transition Temperature	60.0	°C	DMA
CLTE - Flow			ASTM E831
0 to 20°C	1.1E-4	cm/cm/°C	
75 to 140°C	1.5E-4	cm/cm/°C	
NOTE			
1.	Liquid, 25°C		
2.	Solid, 25°C		

Recommended distributors for this material

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