Accura® 60

Unspecified

3D Systems

Message:

Applications
Tough functional prototypes
Automotive design components
Consumer electronics (cell phones etc.)
Medical instruments, devices and labware
Lighting components (lenses etc.)
Fluid flow and visualization models
Master patterns for urethane castings
QuickCast™ patterns for invest ment casting
Transparent assemblies
Clear display models
Concept and marketing models
Features
Durable and stiff
High clarity
Fast build speed
Low viscosity formulation
Fully developed and tested build styles
Benefits
Achieve the look and feel of polycarbonate
View internal features and passages
Increase system throughput
Minimize part cleaning and finishing
Maximize reliability with no user R&D

General Information	
Features	Durable
	Good Stiffness
	Good Toughness
	High Clarity
	Low Viscosity
Uses	Automotive Applications
	Cell Phones
	Consumer Applications
	Electrical/Electronic Applications
	Labware
	Lenses
	Lighting Fixtures
	Medical Devices
	Modeling Material
	Mold Making
	Molds/Dies/Tools
	Patterns

Prototyping

Appearance	Clear/Transparent		
Forms	Liquid		
Processing Method	3D Printing, Stereolithography		
Physical	**Nominal Value**	**Unit**	
Density			
-- [1]	1.13	g/cm³	
-- [2]	1.21	g/cm³	
Viscosity (30°C)	150 to 180	mPa·s	
Critical Exposure	7.60	mJ/cm²	
Penetration Depth	160.0	µm	
Hardness	**Nominal Value**	**Unit**	
Durometer Hardness (Shore D)	86		
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2690 to 3100	MPa	ASTM D638
Tensile Strength	58.0 to 68.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0 to 13	%	ASTM D638
Flexural Modulus	2700 to 3000	MPa	ASTM D790
Flexural Strength	87.0 to 101	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	15 to 25	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	53.0 to 55.0	°C	
1.8 MPa, Unannealed	48.0 to 50.0	°C	
Glass Transition Temperature	58.0	°C	DMA
CLTE - Flow			ASTM E831
0 to 40°C	7.1E-5 to 1.3E-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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