

## Accura® 60 Plastic

Information provided by 3D Systems

### 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 investment 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



### Post-Cured Material

Measurement	Condition	Metric	U.S.
Tensile Strength	ASTM D 638	58 - 68 MPa	8410 - 9860 PSI
Tensile Modulus	ASTM D 638	2690 - 3100 MPa	390 - 450 KSI
Elongation at Break (%)	ASTM D 638	5 - 13 %	5 - 13%
Flexural Strength	ASTM D 790	87 - 101 MPa	12620 - 14650 PSI
Flexural Modulus	ASTM D 790	2700 - 3000 MPa	392 - 435 KSI
Impact Strength (Notched Izod)	ASTM D 256	15 - 25 J/m	0.3 - 0.5 ft-lb/in
Heat Deflection Temperature	ASTM D 648		
	@ 66 PSI	53 - 55°C	127 - 131°F
	@ 264 PSI	48 - 50°C	118 - 122°F
Hardness, Shore D		86	86
Co-Efficient of Thermal Expansion	ASTM E 831-93		
	TMA (T<Tg, 0-40°C) TMA (T<Tg, 75-140°C)	71 - 131 (µm/m°C) 153 (µm/m°C)	
Glass Transition (Tg)	DMA,E"	58°C	136°F