Si60

High clarity models
in durable, stiff resin.

Applications

- Tough functional prototypes
- Automotive design components
- Lighting components & consumer electronics
- Medical instruments, devices & lab-ware
- Transparent assemblies & clear display/fluid flow models
- Patterns for Investment/urethane castings
- Concept & Marketing models

Physical Properties

Colour	Clear
Type	Simulates PC

Mechanical Properties

		TEST/ISO
Hardness Shore A/D	**86D**	ATSM D2240
Flexural Strength (MPa)	**87 - 101**	ATSM D790
Flexural Modulus (MPa)	**2,700 – 3,000**	
Tensile Strength (MPa)	**58 - 68**	ATSM D638
Tensile Modulus (MPa)	**2,690 – 3,100**	
Elongation Break (%)	**5 - 13**	
Impact Strength (J/m)	**15 - 25**	ATSM D256

Thermal & Specific Properties

Glass Transition Temperature Tg (°C)	**58**	DMA,E"
Heat Deflection Temperature (°C)		
@ 0.46MPA	**53 - 55**	ATSM D648
@ 1.81MPA	**48 - 50**	
Co-efficient of Thermal Expansion (µ/m°C)		
TMA (T<Tg, 0 - 40°C)	**71**	ATSM E831-93
TMA (T<Tg, 75 – 140°C)	**153**	

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