

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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Please be advised that all information provided in this document is representative of typical properties and as advised by the material manufacturer. Performance characteristics of these products may vary according to product application, operating conditions or with end use.

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