

Xtreme

Tough, Functional Material

Ideal for snap fits and tough enclosures

A great all round, multi-application resin, Xtreme's tough and durable properties simulate grey ABS and polypropylene.



Benefits

- Exceptionally durable & impact resistant
- Excellent results with functional testing
- Great moisture and thermal resistance

Applications

- Fit form and function prototypes
- Durable assemblies
 - Snap fit assemblies
 - Tough enclosures
 - Consumer electronic components
- Master patterns for RTV/Silicone Mouldings
- Replace CNC machining of ABS/PC



Physical Properties

Colour	Grey
Type	Simulate PC/ABS

Mechanical Properties

		TEST/ISO
Hardness Shore A/D	86D	868
Flexural Strength (MPa)	52 - 71	ATSM D790
Flexural Modulus (MPa)	1,520 - 2,070	
Tensile Strength (MPa)	38 - 44	ATSM D638
Tensile Modulus (MPa)	1,790 - 1,980	
Elongation Break (%)	14 - 22	ATSM D256
Impact Strength (J/m)	35 - 52	
Density (g/cm ³)	1.18-1.2	N/A

Thermal & Specific Properties

Glass Transition Temperature Tg (°C)	52	DMA,E''
Heat Deflection Temperature (°C)		
@ 66 PSI	62	ATSM D648
@ 264 PSI	54	

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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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