

# 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	
Impact Strength (J/m)	35 - 52	ATSM D256
Density (g/cm <sup>3</sup> )	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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