

# 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 <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	

Call: 028 9070 6940

Email: [sales@laserproto.com](mailto:sales@laserproto.com)

Web: [www.laserproto.com](http://www.laserproto.com)

[Click here to request a quote](#)

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.

Laser Prototypes Ltd makes no warranties of any type, express or implied, with respect to any of the goods or services supplied. This includes but is not limited to any warranty of fitness for a particular purpose or of properties or of suitability for a specific application. Data are subject to change without notice as part of our continuous development and improvement processes.