

# Xtreme Grey

ogle  
models+prototypes

Material for the SLA process

+44 (0)1462 682 661

## Technical Data Sheet

[www.oglemodels.com](http://www.oglemodels.com)

### Features, benefits and applications

- Form, fit and function prototypes
- Durable assemblies - snap fit, tough enclosures and consumer electronic components
- Replace CNC machining of Polypropylene and ABS
- Outstanding durability and impact resistance
- Thermal resistance over 60°C - without distortion
- Faster recoating and build times
- Maximise reliability with no user R&D



### Machines

- Available on Viper SLA machines



### Post-Cured Material

| Measurement                    | Condition   | Metric                 | Imperial           |
|--------------------------------|---|------------------------|--------------------|
| Tensile Strength               | ASTM D 638  | 38-44 MPa              | 5510-6380 PSI      |
| Tensile Modulus                | ASTM D 638  | 1790-1980 MPa          | 260-287 KSI        |
| Elongation at Break            | ASTM D 638  | 14-22%                 |                    |
| Flexural Strength              | ASTM D 790  | 52-71 MPa              | 7540-10300 PSI     |
| Flexural Modulus               | ASTM D 790  | 1520-2070 MPa          | 220-300 KSI        |
| Impact Strength (Notched Izod) | ASTM D 256  | 35-52 J/m              | 0.66-0.98 ft-lb/in |
| Heat Deflection Temperature    | ASTM D 648<br>@ 0.45 MPa (66 PSI)<br>@ 1.82 MPa (264 PSI) | 62°C<br>54°C           | 144°F<br>129°F     |
| Colour                         | -   | Grey                   | -                  |
| Solid Density                  | @ 25°C (77°F)   | 1.19 g/cm <sup>3</sup> | -                  |

Please be advised that all information provided in this document is representative of typical properties and as advised by the material manufacturer. The performance characteristics of these products may vary according to product application, operating conditions, or with end use. Ogle Models + Prototypes Ltd makes no warranties of any type, express or implied, including, but not limited to, the warranties of merchantability or fitness for a particular use. Specifications subject to change without notice.