

## SL Clear Available on SLA 7000 (508mm x 508mm x 584mm) from 2010

### NEW CLEAR STEREOLITHOGRAPHY MATERIAL

#### Features, benefits and applications.

SL Clear stereolithography material that produces **ultra clear** and durable prototypes with good surface finish with outstanding clarity and accuracy. It is especially good for lenses and look through parts.

#### Mechanical Properties

| Measurement                   | Test Method | Value @ 90-minute UV post cure |
|-------------------------------|-------------|--------------------------------|
| Hardness, Shore D             | ASTM D-2240 | 86                             |
| Flexural modulus              | ASTM D-790  | 1980- 2310 Mpa                 |
| Flexural strength             | ASTM D-790  | 65-71 Mpa                      |
| Tensile modulus               | ASTM D-638  | 1930-2020 Mpa                  |
| Tensile strength              | ASTM D-638  | 38-42 Mpa                      |
| Elongation at break           | ASTM D-638  | 10 – 22%                       |
| Impact strength, notched Izod | ASTM D-256  | 45-61 J/m                      |
| Cured density                 |             |                                |

#### Thermal Properties

| Measurement                      | Test Method  | Value @ 90-minute UV post cure |
|----------------------------------|--------------|--------------------------------|
| Heat deflection temperature      | ASTM D-648   | @66 psi 48°C                   |
| Glass transition, T <sub>g</sub> | DMA, E" peak | 56°C                           |
| Coeff of thermal expansion       |              |                                |

Ogle Models and Prototypes Ltd would like to inform you that the above are typical properties as advised by the material manufacturer.

