Liqcreate Premium Flex

An extremely flexible and soft resin for Liquid Crystal Display (LCD) and Digital Light Processing (DLP) 3D-printers. Liqcreate Premium Flex is perfect for the manufacturing of soft touch and elastic prototypes.

Product description
Liqcreate Premium Flex is a translucent turquoise blue photopolymer with great processability and print speed on MSLA and DLP based 3D-printers. 3D-printed parts from this material have exceptional flexibility and low surface hardness of 63 Shore A. Liqcreate Premium Flex is easy to use on all open source DLP and LCD 3D-printers in the range of 385 - 420nm. Its high elongation and low Shore A hardness makes it perfect for diversity of soft touch and elastic prototypes.

Key benefits
- High elongation
- Soft touch
- Easy to print
- High flexibility

3D-Printer compatibility
- Anycubic Photon
- Elegoo Mars
- All open source 385 - 420nm DLP, LCD/MSLA 3D-printers

Order information
Order directly at the Liqcreate store or send your inquiry to order@liqcreate.com with the following order numbers.

<table>
<thead>
<tr>
<th>Liqcreate Premium Flex</th>
<th>250gram</th>
<th>Order number LPF00250</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liqcreate Premium Flex</td>
<td>1 kg</td>
<td>Order number LPF01000</td>
</tr>
</tbody>
</table>

T > +31 (0)85 060 58 49
E > info@liqcreate.com
I > www.liqcreate.com
Liqcreate Premium Flex Technical Data

**Liquid properties**

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Turquoise liquid</th>
<th>E_c</th>
<th>6.65 mJ/cm²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity</td>
<td>700 cps at 25°C</td>
<td>D_p metric</td>
<td>0.32 mm</td>
</tr>
<tr>
<td>Density</td>
<td>1.18 g/cm²</td>
<td>D_p imperial</td>
<td>12.60 mils</td>
</tr>
</tbody>
</table>

**Polymer properties**

- **Tensile Strength**
  - Description: D638M
  - Metric: 1.7 MPa
  - Imperial: 0.25 ksi

- **Elongation at break**
  - Description: D638M
  - Metric: 50 – 80 %

- **Shore A Hardness**
  - Description: D2240
  - Metric: 63

- **Tear strength**
  - Description: D624
  - Metric: 4.3 kN/m
  - Imperial: 25 lbf/in

- **Water sorption**
  - Description: D570-98
  - Metric: 1.6 %

- **Tg**
  - Description: D7028
  - Metric: n/a
  - Imperial: n/a

*These values may vary and depend on individual machine processing and post-curing.*

Visit [www.liqcreate.com](http://www.liqcreate.com) for more information about this product.