



MODEL 3D ULTRA TECHNICAL DATA

| Liquid Properties | | | |
|-------------------|--------------------------|-------------|-------------------------|
| Appearance | Opaque peach liquid | EC | 2.86 mJ/cm ² |
| Viscosity | 700 cps at 25° C | Dp metric | 0.22 mm |
| Density | 1.18 g / cm ³ | Dp imperial | 8.70 mils |

| Polymer Properties | | | |
|-----------------------------------|-----------------|--|---------------|
| Mechanical properties | | 30 minutes high power LED curing at 40°C | |
| Description | ASTM Method | Metric | Imperial |
| Tensile Strength | D638M | 53 MPa | 7.69 ksi |
| Tensile Modulus | D638M | 1.9 GPa | 276 ksi |
| Elongation at Break | D638M | 4.1% | 4.1% |
| Flexural Strength | D790M | 80 MPa | 11.6 ksi |
| Flexural Modulus | D2240 | 2.1 GPa | 305 ksi |
| IZOD Impact (notched) | D256A | 17 J/m | 0.29 ft-lb/in |
| Shore D Hardness | D2240 | 83 | 83 |
| Water Sorption | D570-98 | 0.4% | 0.4% |
| Linear Shrinkage During Printing | Internal Method | 0.5% | 0.5% |
| Linear Shrinkage During UV-Curing | Internal Method | 0.5% | 0.5% |

These values may vary and depend on individual machine processing and post-curing. Model 3D Ultra is not tested on biocompatibility, therefore the material should not be used for applications inside or on the human body and is for dental applications only.