



UV Resin

Photocentric UV Resin Overview



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| Photocentric UV Resins | Colour | Ultimate Tensile Strength (MPa) | Elongation at Break (%) | Tensile Modulus (MPa) | Shore Hardness | Flexural Strength (MPa) | Flexural Modulus (MPa) | Impact Properties Notched Izod (J/m) | Impact Properties Notched Izod (kJ/m ²) | Tear Strength (kN/m) | Rebound Resilience (%) | Heat Deflection (°C) at 0.45 MPa | Biocompatibility Cytotoxicity ISO 10993-5 | Skin Irritation & Sensitization ISO 10993-10 | Comparable Thermoplastic | Water Absorption. Short term (24 hours) (%) | Viscosity (cPs) | Density (g/cm ³) | Compatible with Liquid Crystal Opus | TDS | |
|----------------------------------|------------------|---------------------------------|-------------------------|-----------------------|----------------|-------------------------|------------------------|--------------------------------------|---|----------------------|------------------------|----------------------------------|---|--|--------------------------|---|-----------------|------------------------------|-------------------------------------|---------------------------|--------------------------|
| Rigid UVFR ^{NEW} | Black | 75 | 2.3 | 4170 | 92D | 115 | 3400 | 72 | -* | N/A | N/A | 260 | -* | -* | -* | 0.43 | 580 | 1.21 | Yes | View TDS | |
| UV LCD Dental Model | Beige/Grey/White | 70 | 4 | 2800 | 90D | -* | -* | -* | 3.9 | N/A | N/A | -* | -* | -* | PA12 | -* | 250 | 1.10 | No | View TDS | |
| Opus Dental Beige ^{NEW} | Beige | 56 | 2.7 | 2570 | 84D | 84 | 2580 | 19.5 | -* | N/A | N/A | -* | -* | -* | -* | 0.13 | 150* | -* | Yes | To follow | |
| Opus Dental Grey ^{NEW} | Grey | 65 | 6 | 2610 | 80D | -* | 1910 | -* | 8.1 | N/A | N/A | 63 | -* | -* | -* | -* | 510 | 1.16 | Yes | To follow | |
| UV High Tensile | Grey | 65 | 6 | 1910 | 80D | -* | -* | -* | 8.1 | N/A | N/A | 63 | -* | -* | PA12 | -* | 510 | 1.16 | Yes | View TDS | |
| UV DLP Hard | Black/Grey | 35 | 4 | 2060 | 77D | -* | -* | -* | -* | N/A | N/A | 60 | -* | -* | PMMA | -* | 230 | 1.19 | Yes | View TDS | |
| UV DLP Hard | White | 35 | 4 | 2060 | 77D | -* | -* | -* | -* | N/A | N/A | 60 | -* | -* | PMMA | -* | 230 | 1.19 | No | View TDS | |
| UV SuperClear ^{NEW} | Clear | 45.6 | 16.5 | 2270 | 85D | 62 | 1730 | 90.3 | -* | N/A | N/A | 71.3 | -* | -* | -* | 0.33 | 662 | 1,10 | Yes | To follow | |
| Rigid UV240 Plant-Based | Dark Amber | 54 | 5.4 | 2080 | 84D | 108 | 2656 | 12.2 | 2.2 | N/A | N/A | 78.4 | -* | -* | -* | 0.47 | 580 | 1.10 | Yes | View TDS | |
| UV Basic HD ^{NEW} | Black | 57.8 | 6 | 2330 | 87D | 86.6 | 2190 | 42.4 | -* | N/A | N/A | 110 | -* | -* | -* | 0.1 | 740 | 1.10 | Yes | View TDS | |
| Durable | Durable UV80 | Black | 46 | 13 | 1940 | 84D | -* | -* | -* | 8.1 | N/A | N/A | 65 | -* | -* | ABS | -* | 400 | 1.10 | Yes | View TDS |
| | Durable UV80TR | Translucent | 77.2 | 16 | 2127 | 85-90D | 89.6 | 2277 | 67.4 | -* | N/A | N/A | 76 | -* | -* | ABS, PP | 0.79 | 400 | 1.10 | Yes | View TDS |
| Flexible | Flexible UV160TR | Translucent | 14.5 | 160 | 66.5 | 86A | -* | -* | -* | -* | 54 | 30 | -* | -* | -* | TPU | 1.74 | 470 | 1.10 | Yes | View TDS |

*Contact Photocentric for more information

