

# Biocompatible Origin DM200™ for Stratasys Origin One Dental Printer

The Biocompatible Origin DM200 is a universal resin, suitable for multiple applications including dental models, surgical guides, denture try-ins, and custom trays on the P3™ (DLP) Origin One Dental 3D printer.

The Biocompatible DM200 resin is highly accurate and increases output by shortening print times and reducing waste by eliminating the need to replace resin and trays when switching between applications. This resin is ideal for large volume flow production

|   | Application | Models    | Try-in    | Surgical Guide | Custom tray |
|---|-------------|-----------|-----------|----------------|-------------|
|   | ASTM        | Value     | Value     | Value          | Value       |
| Appearance                                | —           | Beige     | Beige     | Beige          | Beige       |
| Tensile Strength                          | D-638       | >40       | >30       | >50            | >40         |
| Tensile Modulus (Mpa)                     | D-638       | 1600-2300 | 1500-1750 | 1900-2100      | 1700-1800   |
| Elongation at Break (%)                   | D-638       | 10-20     | 15-25     | 10-20          | 10-20       |
| Flexural Strength (Mpa)                   | D-790       | 45-65     | 50-70     | 40-80          | 60-75       |
| Flexural Modulus (Mpa)                    | D-790       | 1660-2200 | 1750-1950 | 2100-2450      | 1900-2150   |
| HDT, °C @ 0.45 MPa                        | D-648       | 45        | 43        | 49             | 47          |
| Izod Notched Impact (J/m)                 | D-256       | 21        | 20        | 21             | 21          |
| Shore Hardness (D)                        | Scale D     | 80        | 80        | 80             | 80          |
| Polymerized Density (gr/cm <sup>3</sup> ) | Scale M     | 1.18      | 1.18      | 1.18           | 1.17        |

For information on the DM200 and other materials and applications, please visit  
<https://www.stratasys.com/en/3d-printers/printer-catalog/p3/origin-one-dental-printer/>



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