

Visijet® Dental Materials

For castable and pressable wax-ups, precision dental models and surgical guides



| Properties | Condition | Visijet M2R-TN | Visijet M3 Dentcast | Visijet M3 PearlStone | Visijet M3 Stoneplast | Visijet M2 SUP | Visijet S300 |
|-----------------------------|----------------------|---|--------------------------|------------------------|-------------------------------|--|------------------------|
| Composition | | UV Curable Plastic | | | Wax Support Material | | |
| Color | | Opaque Tan | Dark green | White | Natural | White | White |
| Bottle Quantity | | 1.5 kg | 2 kg | 2 kg | 2 kg | 1.4 kg | 2 kg |
| Density @ 20 °C (solid) | | 1.16 g/cm ³ | 1.16 g/cm ³ | 1.16 g/cm ³ | 1.19 g/cm ³ | N/A | N/A |
| Tensile Strength | ASTM D638 | 60-70 MPa | 32 MPa | 40 MPa | 41 MPa | N/A | N/A |
| Tensile Modulus | ASTM D638 | 2500-3000 MPa | 1724 MPa | 1794 MPa | 1850 MPa | N/A | N/A |
| Elongation at Break | ASTM D638 | 6-12 % | 12.3% | 7.7% | 17% | N/A | N/A |
| Flexural Strength | ASTM D790 | 90-100 MPa | 45 MPa | N/A | 51 MPa | N/A | N/A |
| Heat Distortion Temperature | ASTM D648 @ 0.45 MPa | 71 °C | N/A | 88 °C | 56 °C | N/A | N/A |
| Ash Content | | N/A | 0.01% | N/A | N/A | N/A | N/A |
| Melting Point | | N/A | N/A | N/A | N/A | 60 °C | 60 °C |
| Softening Point | | N/A | N/A | N/A | N/A | 40 °C | 40 °C |
| USP Class VI Certified* | | No | No | No | Yes | N/A | N/A |
| Printer Compatibility | | Projet MJP 2500 Plus | Projet MJP 3600 Dental | Projet MJP 3600 Dental | Projet MJP 3600 Dental | Projet MJP 2500 Plus | Projet MJP 3600 Dental |
| Description | | High modulus, rigid plastic (tan) for dental models | Wax-up castable material | Solid stone appearance | Translucent or stone finish** | Non-toxic wax material for hands-free melt-away supports | |

* DISCLAIMER: Material is capable of meeting the requirements of USP Class VI testing. It is the responsibility of each customer to determine that its use of any Visijet® material is safe, lawful and technically suitable to the customer's intended applications. The values presented here are for reference only and may vary. Customers should conduct their own testing to ensure suitability for their intended application.

** Choice of finish requires additional post processing.



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