

### DMT-301 Tan Dental Modeling

#### General Information

DMT-301 is formulated to work with DLP and SLA 3D printers using 385-405 nm light. It is specifically tuned to print in open mode on the Form2 3D printer. DMT-301 will extend the window lifetime of the windows of printers that use PDMS interfaces. This resin reliably produces prints with low shrinkage as well as good positive and negative resolution.

#### Chemical Data

|                               |                   | Method               |
|-------------------------------|-------------------|----------------------|
| <b>Viscosity (cps @25 °C)</b> | 710               | Brookfield SP<br>#31 |
|                               | <b>Post-cured</b> |                      |
| <b>Tensile Modulus (mPa)</b>  | 1270              | ASTM D 638-1V        |
| <b>Tensile Strength (mPa)</b> | 58                | ASTM D 638-1V        |
| <b>Elongation (%)</b>         | 5                 | ASTM D 638-1V        |
| <b>Shore Hardness</b>         | 86.5 D            |                      |

*\*Parts were post-cured for 10min a side with a 395-405nm LED at 10mW/cm2.*

*\*Properties may vary in orientation and post-treatment.*

#### Form2 Settings

DMT-301 is recommended to print with Grey V4 settings in Open Mode.

#### Post Cure Procedure

Parts should be post cured under a either a 395-405 nm LED for 10 minutes on a side at a minimum of 10 mW/cm<sup>2</sup> or a broadband UV light source at 10 minutes a side to bring the parts up to their full properties

#### Storage and Handling

DMT-301 stable for up to 1 year at ambient conditions.

This product is light sensitive and should not be exposed to daylight, UV light and artificial lighting during storage.

Exposure to daylight, UV light and artificial lighting should be kept to a minimum during handling.

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