



# DMT-301-LCD Tan Dental Modeling

## Technical Data Sheet

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### General Information

DMT-301-LCD is formulated to work with LCD 3D printers using 385-405 nm light. It is tuned to print with good reliability and high resolution.

### Chemical Data

		<b>Method</b>
<b>Viscosity (cps @ 24 °C)</b>	710	Brookfield SP #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>	87 D	

*\*Parts were post-cured with a Broadband UV light source at 10 mW/cm<sup>2</sup> for 10 minutes each side.*

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

### Print Settings

DMT-301-LCD is recommended 60s for first layers, and 5-9 seconds for the model layers, depending on the printer.

### Post Cure Procedure

Parts should be post cured under 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-LCD 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.