



Dental LT Clear

Biocompatible Photopolymer Resin for Form 2

MATERIAL PROPERTIES

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To the best of our knowledge the information contained herein is accurate. However, Formlabs, Inc. makes no warranty, expressed or implied regarding the accuracy of these results to be obtained from the use thereof.

Formlabs Dental LT Clear Resin produces strong, accurate, biocompatible parts ideal for dental splints, retainers, and similar applications, and is specifically designed to work with your Form 2 3D printer. After being post-cured, this material can be disinfected in an ethanol solution. Do not place in an autoclave for sterilization as this will negatively affect mechanical properties. For more detailed information on handling and use, please see the Instructions for Use and the Safety Data Sheet.

	METRIC	METHOD
	Postcured	
Flexural Properties		
Ultimate Flexural Strength	≥ 50 MPa (no break)	ISO 20795-2:2013
Flexural Modulus	≥ 1300 Mpa	ISO 20795-2:2013
Hardness Properties		
Hardness Shore D	80 – 90D	ISO 868:2003
Impact Properties		
Maximum stress intensity factor	≥ 1.1 MPa·m ^{1/2}	ISO 179:2010
Total fracture work	≥ 250 J/m ²	ISO 20795-2:2013

Dental LT Clear is tested at NAMSA, Chasse sur Rhône in France, and is certified biocompatible per EN-ISO 10993-1:2009/AC:2010. Further details are available upon request.

The product is in compliance with ISO Standards:

- EEN ISO 1641:2009
- EN-ISO 10993-1:2009/AC:2010
- EN-ISO 10993-3:2009
- EN-ISO 10993-5:2009
- EN 908:2008