DENTAL RESIN

IBT Resin

Biocompatible Photopolymer Resin for Indirect Bonding Trays

Use Class I compliant IBT Resin to 3D print indirect bonding trays for a cost-effective, rapid dental bracket placement process for high quality orthodontics. IBT Resin prints full arch and quadrant bracket transfer trays quickly using 100 micron layer heights, reducing labor time and enabling higher throughput.





FLIBCL01

* May not be available in all regions

formlabs ₩ | dental

Prepared Rev 01 . 14 . 2021 01 - 01 . 14 . 2021 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.

MATERIAL PROPERTIES DATA

	METRIC ¹	IMPERIAL 1	METHOD
	Post-Cured ²	Post-Cured ²	
Mechanical Properties			
Ultimate Tensile Strength	5.2 MPa	754 psi	ASTM D638-14
Young's Modulus	18 MPa	2.66 ksi	ASTM D638-14
Elongation	29 %	29 %	ASTM D638-14
Hardness Properties	·		
Hardness Shore A	< 90 A	< 90 A	ASTM D2240-15
	·		
Disinfection Compatibility			
Chemical Disinfection	70% Isopropyl Alcohol for 5 minutes		

IBT Resin has been evaluated in accordance with ISO 10993-1:2018, *Biological evaluation of medical devices - Part 1: Evaluation and testing within a risk management process*, and ISO 7405:2009/(R)2015, *Dentistry - Evaluation of biocompatibility of medical devices used in dentistry*, and passed the requirements for the following biocompatibility risks:

ISO Standard	Description ³
EN ISO 10993-5:2009	Not cytotoxic
ISO 10993-10:2010/(R)2014	Not an irritant
ISO 10993-10:2010/(R)2014	Not a sensitizer

The product was developed and is in compliance with the following ISO Standards:

ISO Standard	Description	
EN ISO 13485:2016	Medical Devices – Quality Management Systems – Requirements for Regulatory Purposes	
EN ISO 14971:2012	Medical Devices – Application of Risk Management to Medical Devices	