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# Medical Clear HD

Medical Clear Resin produces strong, accurate, biocompatible parts ideal for Medical & Dental splints, retainers, and similar applications, 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.

## Material properties:

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

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



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