

Clear Dental Resin



Clear dental resin is a biocompatible certified Class I material, developed for the production of high precision surgical drill guides for use in implant surgery. The results produced by combining clear dental resin with our technology are superior to traditional methods of manufacturing implant placement guides. High resolution 3D printing allows for precisely targeted placement of implants during surgery. Drill sleeves may be inserted directly after printing, with excellent fit. The material is resistant to disinfectants and can be sterilised using gamma rays and autoclave without affecting dimensional stability. The cost of high quality drill guides can be dramatically lower when produced using clear dental resin on 3D printer in comparison to previous machining methods, making the clear choice for any digital dental laboratory.

Material Properties		
Description	Value	Method
Brookfield viscosity at 23°C	1.1 - 1.6 Pa's	ASTM D2162
Flexural strength	80 MPa	ISO 20795-1:2013
Flexural modulus	2.000 MPa	ISO 20705-1:2013
Hardness Shore	D 80 - 90	ISO 868:2003
Sterilization at 134°C	Max 5 min.	
Color(s) Available	Translucent Orange	