

Perfactory® Clear Guide

Unspecified

EnvisionTEC, Inc.

Message:

EnvisionTEC's Clear Guide is a crystal clear material for the production of accurate drill guides on the Perfactory® line of 3D Printers. The results produced by combining Clear Guide with EnvisionTEC technology are superior to traditional methods of manufacturing implant placement guides. The clearest material available on the market today allows for maximum visibility. High resolution 3D printing allows for precisely targeted placement of implants. Finally, the cost of high quality drill guides can be dramatically lower when produced using Clear Guide on an EnvisionTEC 3D printer in comparison to previous machining methods, making EnvisionTEC the clear choice for any digital dental laboratory.

Applications

Dental

Recommended Machines:

Perfactory® 4 DDP Series

General Information			
Features	Good Surface Finish		
	High Clarity		
Uses	Dental Applications		
Appearance	Clear/Transparent		
Forms	Liquid		
Processing Method	3D Printing, Stereolithography		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Viscosity	340	mPa · s	DIN 1342
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	85		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	51.6	MPa	ISO 527-2
Tensile Strain (Break)	6.6	%	ISO 527-2
Flexural Modulus	1920	MPa	ISO 178
Flexural Stress (8.4% Strain)	88.4	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	5.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	86.0 to 160	°C	DIN 53765

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