

Perfactory® WIC100G

Acrylic

EnvisionTEC, Inc.

Message:

The EnvisionTEC WIC100G resin has been formulated for the casting of model made on the Perfactory® market. The nano-wax content offers a clean burn out with the highest reproduction details. Wax casting is easy from the WIC100G resin when using a standard wax burn out cycle with a regular gypsum investment. During the burn out cycle, the nano-wax melts away first allowing the resin to burn off without excessive expansion or pressure from degassing which is a problem normally associated with polymer based materials during the burn out cycle. WIC100G is a photo cured hybrid resin system that produces the highest quality part details without sacrificing strength, ease of handling, and finishing. Highest quality detailed parts, excellent burn out properties, and high speed building allows the WIC100G to be optimal for use in Jewelry market for production of master patterns for direct investment casting.

Applications

Jewelry

Recommended Machines:

Aureus, Perfactory® 4 Mini with ERM, Perfactory® 4 Mini XL with ERM, Perfactory® 3 Mini Multi Lens

General Information			
Features	Good Strength		
	Outstanding Surface Finish		
Uses	Jewelry		
	Mold Making		
	Molds/Dies/Tools		
	Patterns		
	Prototyping		
Appearance	Green		
	Opaque		
Forms	Liquid		
Processing Method	3D Printing, Stereolithography		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Viscosity	4	mPa · s	DIN 1342
Ignition Point	300	°C	DIN 53765
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	80		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	14.8	MPa	ISO 527-2
Tensile Strain (Break)	6.3	%	ISO 527-2

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Recommended distributors for this material

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