



Perfactory[®] Material

WIC100G

The EnvisionTEC WIC100G resin was formulated for casting jewelry created on a Perfactory[®] 3D Printer. 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.

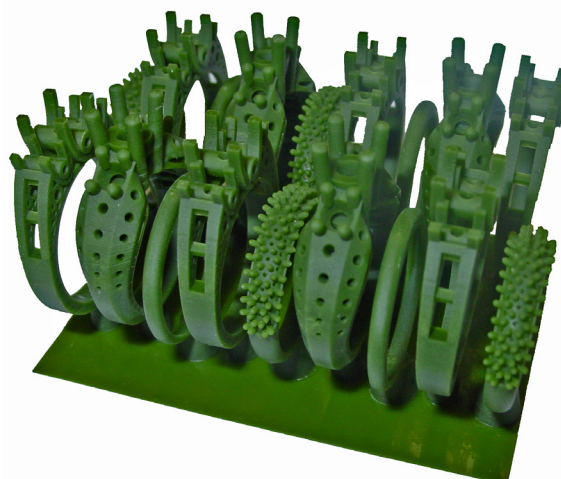
Mechanical Properties*		
ASTM Method	Description	WIC100G
DIN 1342-2	Viscosity	4.200 cps
DIN EN ISO 527-1	Tensile Strength	14.8 MPa
DIN EN ISO 527-1	Elongation at Break	6.3 %
DIN ISO 1183-1	Density	1.32 g/cm ³
DIN EN ISO 868	Hardness (Shore D)	80 Shore
DIN 53765	Ignition Temperature	300 °C

*All data provided is preliminary data and must be verified by the individual user.
Cleaning, drying and post curing is to be carried out as described in EnvisionTEC's postprocessing instructions for this material.

Recommendation: Use incubator. Post curing of parts in Otoflesh.

Recommended Machines
Aureus, Apollo, Desktop XL, Perfactory [®] 4 Mini, Perfactory [®] 4 Mini XL, Perfactory [®] 3 Mini Multi Lens

Applications
Jewelry



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