

Perfactory® PIC100/PIC100G

Unspecified

EnvisionTEC, Inc.

Message:

EnvisionTEC PIC100 and PIC100G resins have been developed for direct investment casting of products for the jewelry market. They offer excellent burn out properties and build with the highest quality and crisp detail. The materials may processed on all Perfactory® systems.

Parts made using EnvisionTEC PIC100 resins evaporate at moderate burn out temperatures without reacting with your investment and offer an extremely low thermal expansion. It is optimally suitable for producing precious metal castings.

EnvisionTEC PIC100 builds extremely smooth surfaces. The burn out process is ash free allowing for a casting which is free from porosity, a problem which is a result of the ash residue when burning a polymer based material.

EnvisionTEC PIC100 is a photo cured resin that produces the highest quality details without sacrificing toughness, ease of handling, and finishing.

Highest quality details, standard burn out procedure, and high speed building qualify EnvisionTEC PIC100 resins for producing high quality parts in the jewelry market for production capacity direct investment casting.

Recommended Machines:

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

General Information			
Features	Good Toughness		
	Low CLTE		
	Outstanding Surface Finish		
Uses	Jewelry		
	Mold Making		
Processing Method	3D Printing, Stereolithography		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Viscosity	362	mPa · s	DIN 1342
Ignition Point	350	°C	DIN 53765
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	69		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	16.8	MPa	ISO 527-2
Tensile Strain (Break)	7.5	%	ISO 527-2
Flexural Modulus	404	MPa	ISO 178
Flexural Stress (10% Strain)	23.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	11	kJ/m ²	ISO 180

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

