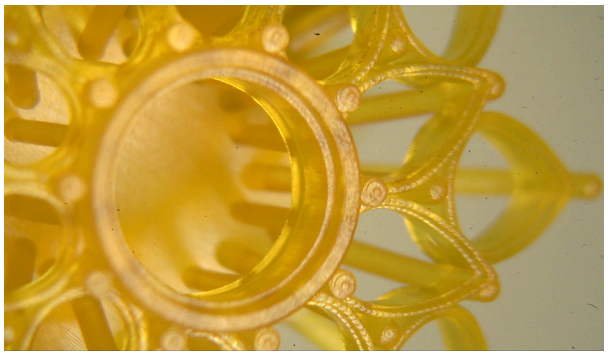
envisionTEC

PIC 100 Series

Let us print your part![1]



EnvisionTEC PIC 100 Series resins have been developed for direct investment casting applications. They offer excellent burnout properties and build with the highest quality and crisp detail.

Parts made using PIC 100 resins evaporate at moderate burnout temperatures without reacting with investment and offer extremely low thermal expansions. They are optimally suitable for producing precious metal castings. PIC 100 resins build extremely sooth surfaces. The burnout process is ash free, allowing for a casting which is free from porosity.

The highest quality details, standard burnout procedures and high-speed building qualify PIC 100 resins for producing high quality parts in the jewelry market for production capacity direct investment casting.

Material Properties[2]		
ASTM Method	Description	Value
DIN 1342-2	Viscosity	361.7 MPa
DIN EN ISO 527-1	Tensile Strength	16.8 MPa
DIN EN ISO 527-1	Elongation at Break	7.46%
DIN EN ISO 178	Flexural Strength	23.0 MPa
DIN EN ISO 178	Flexural Modulus	404.0 MPa
DIN EN ISO 178	Bending Strain	10.2%
DIN EN ISO 180	Izod Impact - Notched	11.03 kJ/m^2
DIN ISO 1183-1	Density	1.178 g/cm^3
DIN EN ISO 868	Hardness (Shore D)	69 Shore
DIN 53765	Ignition Temperature	350°C
	Colors Available	Gold, Green

Recommended 3D Printer Family[3]
Perfactory, Micro, cDLM

[1] Learn more at EnvisionTEC.com/printmypart
[2] All data provided is preliminary and must be verified by the individual user
[3] May not be suitable for all machine models within a 3D printer family. Please refer to specific model online for compatibility.