

Epic

Let us print your part!¹



EnvisionTEC's Epic has been developed for direct investment casting of products for the jewelry market. It offers excellent burn out properties and builds with the highest quality and crisp detail.

Parts made using Epic evaporate at moderate burn-out temperatures without reacting with your investment and offer an extremely low thermal expansion. This material is optimally suitable for producing precious metal castings. EnvisionTEC EPIC 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.

Material Properties ²		
ASTM Method	Description	Value
DIN 1342-2	Viscosity	361.7 mPa's
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 EN ISO 1183-1	Density	1.178 g/cm ³
DIN EN ISO 868	Hardness (Shore D)	69
DIN 53765	Ignition Temperature	350°C

Recommended 3D Printer Family ³
Perfactory Family, Micro Family

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.