

## Epic

Let us  
print your  
part!<sup>1</sup>



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 <sup>2</sup> |                       |                         |
|----------------------------------|-----------------------|-------------------------|
| 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 <sup>2</sup> |
| DIN EN ISO 1183-1                | Density               | 1.178 g/cm <sup>3</sup> |
| DIN EN ISO 868                   | Hardness (Shore D)    | 69                      |
| DIN 53765                        | Ignition Temperature  | 350°C                   |

### Recommended 3D Printer Family<sup>3</sup>

Perfactory Family, Micro Family

<sup>1</sup> Learn more at [EnvisionTEC.com/printmypart](http://EnvisionTEC.com/printmypart)

<sup>2</sup> All data provided is preliminary and must be verified by the individual user

<sup>3</sup> May not be suitable for all machine models within a 3D printer family. Please refer to specific model online for compatibility.