MATERIAL TECHNICAL DATA SHEET

PIC 100

Non-wax castable material ideal for high throughput production of patterns that require sharp details or delicate filigree

One of the most popular production casting materials in the ETEC portfolio, PIC 100 Series is our original Plastic Investment Casting (PIC) resin. Developed for direct investment casting applications, PIC 100 offers 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. They are optimally suitable for producing precious metalcastings. PIC 100 resins build tough and easy to finish. 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 production capacity direct investment casting in the jewelry market.

MATERIAL PROPERTIES*

ASTM METHOD	PROPERTY	PIC100
DIN 1342-2	Viscosity	361.7 MPa
DIN EN ISO 527-1	Tensile Strength	16.8 MPa
DIN EN ISO 527-01	Elongation at Break	7.46 %
DIN EN ISO 178	Flexural Strength	31.0 MPa
DIN EN ISO 178	Flexural Modulus	404.0 MPa
DIN EN ISO 178	Flexural 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	Amber

RECOMMENDED PRINTER PLATFORMS

- D4K
- Pro XL

*Specifications are subject to change without notice.