

E-Shell 600

Let us
print your
part!¹



EnvisionTEC's E-Shell 500 has been designed especially for applications in the Hearing Aid industries and is distinguished for its crystal clarity. The clearest material available on the market today, E-Shell 600 allows for maximum visibility. It is CE-certified and Class IIa biocompatible according to ISO 10993 (Medical Product Law) for tough, water- and perspiration-resistant hearing applications.

Material Properties ²		
Method	Description	Value
DIN 1342-2	Viscosity	339.8 MPa
DIN EN ISO 527-1	Tensile Strength	51.6 MPa
DIN EN ISO 527-1	Elongation at Break	6.62%
DIN EN ISO 178	Bending Strain	8.43%
DIN EN ISO 178	Flexural Modulus	1920 MPa
DIN EN ISO 178	Flexural Strength	88.4 MPa
DIN EN ISO 180	Izod Impact - Notched	4.99 kJ/m ²
DIN EN ISO 1183-1	Density	1.185 g/cm ³
DIN EN ISO 868	Hardness (Shore D)	85 Shore
DIN 53765	Glass Transmission Temperature	86°C - 160°C

Recommended 3D Printer Family³

Perfactory, Micro

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.