

E-Partial



EnvisionTEC's E-Partial chemistry was developed for building partials where some flex is required. E-Partial material maintains flexural strength to ensure clasp flex without breakage. The stiffness of the material allows for the production of a very hard retention grid and super tight thin clasps to deliver a metal partial with the perfect every time.

Printing partials is a snap with E-Partial material and EnvisionTEC 3D printers. Unattended production capabilities mean the machine can work while you are away - it will even turn itself off after completing a build.

Material Properties ¹	
Description	Value
Tensile Strength	57 MPa
Elongation at Break	3.6%
Flexural Strength	129 MPa
Flexural Modulus	3155 MPa
HDT (Heat Deflection Temperature) - no heat treatment necessary	130°C at 9,455 MPa, 78°C at 1.82 MPa
Shore D	89
Specific Gravity	1.1 - 1.11 g/cm ³
Viscosity	760 cP at 25°C

Recommended 3D Printer Family ²
Perfactory Family, Micro Family

¹ All data provided is preliminary and must be verified by the individual user

² May not be suitable for all machine models within a 3D printer family. Please refer to specific model online for compatibility.