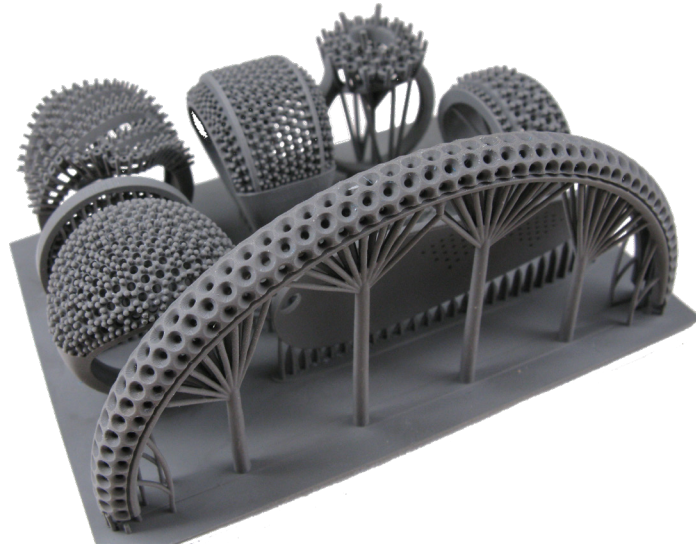


Photosilver

Let us
print your
part!¹



EnvisionTEC's Photosilver material is a ceramic-filled photopolymer material designed to produce highly detailed parts with crisp features. The high temperature resistance allows for the production of vulcanized rubber molds without breaking or melting the master pattern. The increased number of ceramic nanoparticles in the resin leads to improved definition of model detail compared with other filled materials.

Photosilver can produce high detail master models straight from the machine without the need for finishing and so can be used directly for molding using conventional techniques and materials.

Material Properties ^{2, 4}		
Method	Description	Value
ASTM D-638	Tensile Strength	32 MPa
ASTM D-638	Tensile Modulus	1450 MPa
ASTM D-638	Elongation at Break	7%
ASTM D-790	Flexural Strength	65 Pa
ASTM D-790	Flexural Modulus	1700 MPa
ASTM D-2240	Hardness, Shore D	81
ASTM D-648	Heat Deflection Temperature at 1.82 MPa	37-45°C
ASTM D-648	Heat Deflection Temperature at 0.45 MPa	45 - 60°C
ASTM D-256	Notched Impact Izod	28 J/m

Recommended 3D Printer Family³

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.