

E-Tool 2.0

Let us print your part!¹



E-Tool 2.0 is filled with Barium Borosilicate Glass, known for its heat and chemical resistance, to deliver injection molds that can withstand high heat and pressure. Combined with EnvisionTEC’s 3D printing technologies, E-Tool 2.0 delivers highly accurate tooling with an exceptionally smooth surface finish.

Now in testing with a German injection molding company, E-Tool 2.0 molds were successfully used for injection molding of Polypropylene (PP; Injection temperature: 370°F to 400°F Mold Hold Press Pressure: 22T) and Polyethylene (PE; Equistar 6580. Injection temperature: 325°F to 365°F. Mold Hold Press Pressure: 22T).³

Beta Material Properties ²		
Testing Standard	Description	Value
ASTM D638	Tensile Strength	49.4 MPa
ASTM D638	Elongation at Break	1.46%
ASTM D638	Tensile Modulus	4660 MPa
ASTM D790	Flexural Strength	82 MPa
ASTM D790	Flexural Modulus	5220 MPa
ASTM D256	Izod Impact Notched	18.9 J/m
ASTM D648	HDT at 1.8 MPa (264 psi)	63°C
ASTM D2240	Shore Hardness, D	89
Brookfield	Viscosity at 30°C	1460 cP
	Minimum Wall Thickness	2.5 mm
	Color	Yellow

Available for the Following Technologies
 Perfactory, Desktop, 3SP

¹ Learn more at [EnvisionTEC.com/printmypart](https://www.ensonite.com/printmypart)
² All data provided is preliminary and must be verified by the individual user
³ Contact EnvisionTEC for more details