

Authorized Reseller

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E-Mould



EnvisionTEC's E-Mould provides a new solution for injection molding with a validated process chain. Replace or supplement traditional tooling in your workflow for faster market launch, immediate design changes, and the ideal answer for short series production and just-in-time tools at a fraction of the cost without the need for wasting space to store expensive tools. Validated for a variety of injection materials such as PP, PPGF30, PBT, TPE-S, ABS, PE, POM and more.

Material Properties ²		
Description	Value	Standard
Tensile Strength	87 MPa	ASTM D 638
Elongation at Break	4.6%	ASTM D 638
Young's Modulus	3560 MPa	ASTM D 638
Poisson's Ratio	0.411	ASTM D 638
Flexural Strength	134 MPa	ASTM D 790
Flexural Modulus	3360 MPa	ASTM D 790
Impact Izod	35 J/m	ASTM D 256
Hardness, Shore D	88-89	ASTM D 2240
Thermal Expansion	100 $\mu\text{m}/\text{m}/\text{C}$	ASTM E831-14
Thermal Conductivity	0.252 W/mK	ASTM E1461
Specific Heat	1.777 J/gK	ASTM E1269
Density (solid)	1.14 g/cm ³	
Viscosity	460 cP @ 30 C	Brookfield

Recommended 3D Printer Family ³
Perfactory, Envision One, cDLM

¹ Learn more at [EnvisionTEC.com/printmypart](https://www.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.

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HANDLING

For safe handling information on this product, consult the Safety Data Sheet (SDS)

Directions for Use

1. This product is light sensitive; exposure to daylight, UV light or artificial lighting should be kept to a minimum during storage and handling
2. Shake or stir E-Mould well before use due to the possibility that the colorants may separate or precipitate over long storage periods
3. For best 3D printing: Mix the 3D resin before each print. Do not leave resin in printer when not in use. Filter the resin after each 3D print before reuse
4. Excess material can be easily wiped away with non-polar solvents.

Storage

Store product in a cool, dry location, in unopened containers at a temperature between 8°C and 28°C unless otherwise labeled. To prevent contamination of unused product, do not return any material to its original container.



DISCLAIMERS

The product for which the data provided herein are furnished for informational purposes only and are believed to be accurate and reliable. Nevertheless, EnvisionTEC cannot and will not assume responsibility for the results obtained by others over whose production methods we have no control. thus, it is the user's responsibility to determine the suitability of this product for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling, storage, disposal and use thereof. In light of the foregoing, EnvisionTEC specifically disclaims any and all warranties expressed or implied, including warranties of merchantability, fitness for a particular purpose and free from claims of third party patent infringement, arising from the sale, possession, handling, storage, disposal, transportation or use of this product.

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