

E-PerFORM®

Let us
print your
part!¹



E-PerFORM®, a Somos® resin, meets the critical requirements needed for 3D printing injection molds: high dimensional stability and minimal warpage. This DLP version of industry-leading Somos® PerFORM also features high heat tolerance and high stiffness, features required for applications such as tools for injection molding. It is also ideal for applications that require steady performance in high pressure and harsh environments such as parts for wind tunnel testing.

Material Properties ²		
Description	UV Postcure	UV & Thermal Postcure
Tensile Strength	57 MPa	87 MPa
Tensile Modulus	10,140 MPa	9,000 MPa
Elongation at Break	0.97%	1.4%
Flexural Strength	56 MPa	60 MPa
Flexural Modulus	9,400 MPa	8,700 MPa
Izod Impact (Notched)	20 J/m	18 J/m
Water Absorption	0.2%	0.1%
HDT @ a.81 MPa	93°C	160°C

Recommended 3D Printer Family ³
Perfactory

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.

E-PerFORM

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-PerFORM 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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