

E-RE70

Let us
print your
part!¹



EnvisionTEC's Rubber Elastomer E-RE70 is an elastomeric material with a tough rubber-like performance. With this material, you can create stronger, tougher, and more strainable parts that have high accuracy, isotropic properties, and great printability. This material may be used as an EVA rubber substitute for high-quality 3D prints that are tough and flexible as well as usable and functional. Excellent for vibration isolation parts, E-RE70 has exceptional damping properties.

Material Properties ²	
Description	Value
Viscosity	4350 cP
Liquid Density	1.056 g/mL
Hardness	Shore A 75
Glass Transition (DMA) Low	-60°C
Glass Transition (DMA) High	64°C
Fracture Toughness	17.4 MJ/m ³
Ultimate Tensile Strength	7.6 MPa
Tear Strength	31 kN/m
Bayshore Resilience	40%

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-RE70 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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