E1-Aquasol















N3XTDIMENSION ARKEMA

E1-Aquasol resin is ideal for printing molds in a wide variety of industrial applications. The water-soluble 3D printing resin, designed for EnvisionTEC's proprietary Envision One cDLM printing platform, allows industrial manufacturers to shell-cast thin-walled parts with high feature resolution. Thanks to its high water solubility, E-Aquasol resin is an optimal choice for users to seek to avoid the use of more aggressive solvents such as caustic.

This material is the result of a joint collaboration of EnvisionTEC and Sartomer, both leading experts in 3D printing and advanced materials.

Material Properties ²		
Tensile Strength	7.9 MPa	ISO 527
Elongation at Break	2.65 %	ISO 527
Tensile Modulus	542 MPa	ISO 527
Flexural Strength	16.7 MPa	ASTM D790
Flexural Modulus	1840 MPa	ASTM D790
Viscosity @ 30°C	28 cP	
Density	1.2 g/cm3	

Recommended 3D Printer Family³

Envision One cDLM

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.

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HANDLING

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

Directions for Use

- This product is light sensitive; exposure to daylight, UV light or artificial lighting should be kept to a minimum during storage and handling
- Shake or stir E1-Aquasol 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
- 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

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