

E-AquaModel



EnvisionTEC's groundbreaking E-AquaModel printing material for DLP and cDLM 3D printers is the perfect choice high-accuracy orthodontic models AND allows for the first environmentally friendly cleaning process using only water. A high green strength gives E-AquaModel added strength and stability during the build, resulting in lower shrinkage and curling than similar products. The low viscosity of the liquid material allows for quick and easy cleanup of the models without the need to use alcohol. E-AquaModel can be cleaned with a simple water bath, eliminating fumes and hazardous waste.

| Material Properties ¹ | |
|----------------------------------|--------------------|
| Description | Value |
| Tensile strength | 55 MPa |
| Elongation at break | 5.5% |
| Tensile modulus | 2200 MPa |
| Flexural strength | 90 MPa |
| Flexural modulus | 2540 MPa |
| Impact | 25 J/m |
| HDT | 60.5°C at 1.82 MPa |
| D hardness | 83 |
| Viscosity | 150 cP at 30°C |

Recommended 3D Printer Family²

Perfactory Family, 3SP Family, cDLM Family

¹ 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-AquaModel 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

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