

E1-Model HS

Let us
print your
part!¹



E1-Model HS is a high speed 3D printing material for use in producing orthodontic arch models extremely quickly on EnvisionTEC cDLM 3D printers. With the ability to print up to 120 mm/hour, this material is the fastest-printing resin on the market today. E1-Model HS is ideal for orthodontic applications when using a thermoforming technique to produce clear aligners. This material produces models with high accuracy with an exceptional surface finish for a perfect fit.

Material Properties ²	
Tensile Strength	48.6 MPa
Elongation at Break	7%
Flexural Strength	2100 MPa
Hardness Shore D	83
Resin Specific Gravity	1.10 - 1.12 g/cm ³
Print Speed	Up to 120 mm/hour

Recommended 3D Printer Family³

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.

E-Model HS

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-Model HS 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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