Guides for Ameralabs Resins

SOURCE:

https://support.zortrax.com/ameralabs/

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AMD-3 LED Resin

PROPERTIES



- Viscosity at 25° C 180 200 cPs
- **Hardness** (ISO 868) 85 Shore D
- ullet UV Lightsource Wavelength $-365-420\ nm$
- Shrinkage ~2%

FEATURES

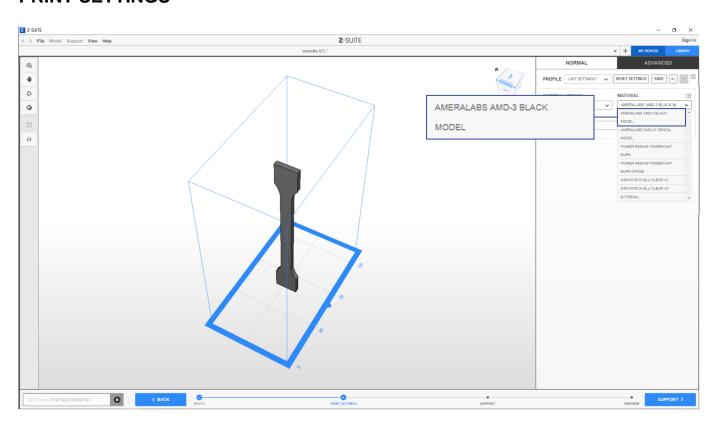
- FAST. Resin hardens extremely fast, resulting in shorter printing time.
- LOW VISCOSITY. Easier to clean your parts before post-curing and to maintain all features of the original model.
- LOW ODOR, LOW SKIN IRRITATION. Gloves and simple ventilation is all you need to comfortably print with this resin.
- **NO PIGMENT SETTLING.** Stabilized pigment dispersion enables extremely long 3D printing sessions. There is no significant pigment settling for days.
- LOW SHRINKAGE. Printed models do not deform because of shrinkage.
- **BLACK COLOR.** Carefully pigmented to get ideal color that expresses the most intricate details.
- HARD. Final prints are hard and stiff, allowing you to capture thin parts of the model.







PRINT SETTINGS

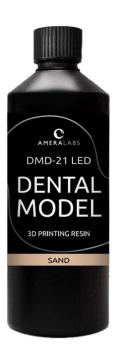


First, change the *Material Group* to *External*, and then select the *AMERALABS AMD-3 BLACK MODEL* from the drop-down list.

Next, set the *Layer thickness* with which you are going to print your model. This parameter determines the height of each layer. Finer layers provide better surface quality but make the printing process more time-consuming.

DMD-21 LED Resin

PROPERTIES



- Viscosity at 25° C 200 220 cPs
- Hardness (ISO 868) 80 90 Shore D
- ullet UV Lightsource Wavelength $-365-420\ nm$
- **Shrinkage** − ~0,5%

FEATURES

- FAST. Resin hardens extremely fast, resulting in shorter printing time.
- LOW VISCOSITY. Easier to clean your parts before post-curing and to maintain all features of the original model.
- **EXCELLENT DIMENSIONAL STABILITY.** Material has very low flexibility and produces models with accurate dimensions. Resistant to mechanical stress and chemicals.
- LOW ODOR, LOW SKIN IRRITATION. Gloves and simple ventilation is all you need to comfortably print with this resin.
- **NO PIGMENT SETTLING.** Stabilized pigment dispersion enables extremely long vertical 3D printing sessions. There is no significant pigment settling for days.
- LOW SHRINKAGE. Printed models do not deform because of shrinkage.
- **SAND COLOR.** Carefully pigmented to get ideal color (L=78, A=6, B=18) that

expresses the most intricate details and is pleasing for patient-facing models.

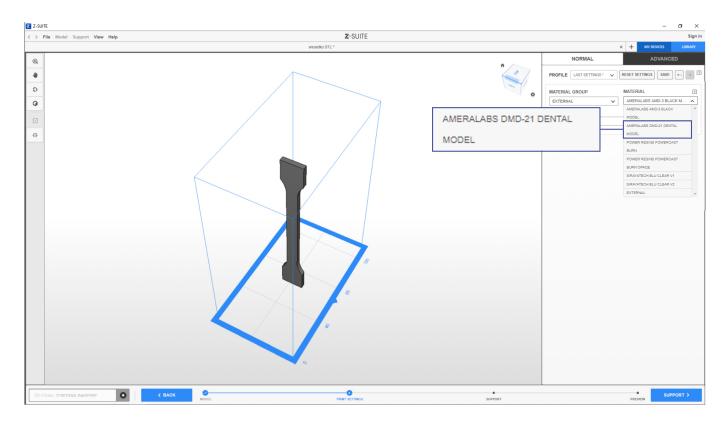
• HARD. Final prints are hard and stiff, allowing you to capture thin parts of the model.







PRINT SETTINGS



First, change the *Material Group* to *External*, and then select the *AMERALABS DMD-21 DENTAL MODEL* from the drop-down list.

Next, set the *Layer thickness* with which you are going to print your model. This parameter determines the height of each layer. Finer layers provide better surface quality but make the printing process more time-consuming.