

EC51 Fast ABS-Like Resin Instruction

1. The Product Description

LITLIQ EC51 is a standard resin that prints quickly and supports up to 0.2mm layer heights, it can complete the printing of a 40mm high model in less than 1 hour with just a regular printer and printing mode. EC51 printed parts are easy to remove from even the most stubborn FEP films. This resin also has great fault tolerances, reducing failures and making it a good choice for novice printers.

2. Material Properties Data

	METHOD	DATA
Viscosity (25°C)	ASTM:D4212-10	568mpa.s
Shore Hardness	ASTM:D2240-05	88-93D
Tensile Strength	ASTM: D638-14	42-54MPa
Flexural Strength	ASTM: D790-10	59-62MPa
Flexural Modulus	ASTM: D790-10	1.8-2.2GPa
Notched IZOD	ASTM:D256-10	10.31J/m
Elongation at Break	ASTM: D638-14	8-11%

3. Printing

You can download the resin printing parameters from RESIONE's official website. The detailed operations are as follows: RESIONE's official website —>Support—>Settings

4.Cleaning and Post-curing

Cleaning: You can use the ethanol(concentration $\geq 95\%$), or IPA to clean, the cleaning and soaking time shall not exceed 10min. After cleaning, use compressed air to dry the prints.

Post-curing: If you use a post-curing box with a power of 40W, our recommended post-curing time is about 15mins (Adjust the post-curing time according to the power of the post-curing box, the greater the power, the shorter the time).



Attentions:

- a. Too long post-curing time will make the resin prints easy to warping, hard and brittle.
- b. The resin prints will be fragile after post-curing. It is not recommended to apply force to the prints immediately. Just need to wait for a while until the internal stress of the prints is completely released.

For more questions, please contact support@godsaid3d.com