



Siraya Tech

Technical Data Sheet

Siraya Tech Fast

Mecha White User Guide

Mecha White



Product Introduction

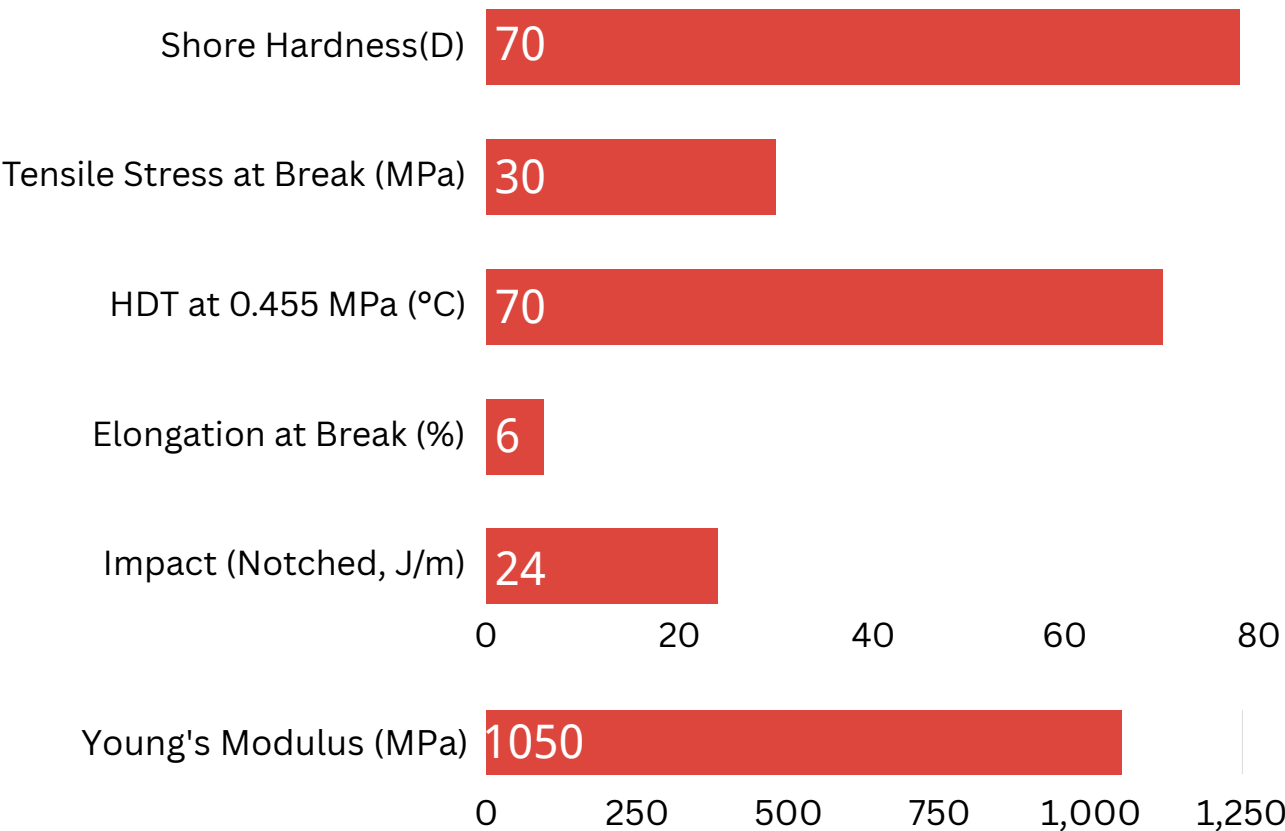
Fast Mecha White User Guide

Key Features

- Fast Printing and Curing
- Non-scratch, ideal for joints
- Superb solid matte white color with high resolution
- Great Resolution and Surface Finish
- Low Odor and Easy to Clean

Application:

- Joints
- Gears (mixed with Tenacious at 20%)
- Model Making



Property Data

Mechanical Properties	Measure	Method	Post Processed
Tensile Stress at Yield	32	ASTM D638	-
Tensile Stress at Break	30	ASTM D638	-
Young's Modulus	1050	ASTM D638	-
Elongation at Break	6	ASTM D638	-
Flexural Modulus	1300	ASTM D790	-
Flexural Stress at Yield	-	ASTM D790	-
Flexural Strain at Break	-	ASTM D790	-

Other Properties	Measure	Method	Post Processed
HDT at 0.455 MPa	70	0.455 MPa	-
IZOD Impact (Notched) J	24	-	-
Shore Hardness	70	-	-
Solid Density	1.25	-	-
Water Absorption (24hr)	2%	-	-

Liquid Properties	Measure	Method	Post Processed
Viscosity at 25°C (77°F)	140	25°C (77°F)	-
Liquid Density	1.15	-	-

Work Flow

Printing

Fast Mecha White Resin is a high-quality 3D printing material that offers exceptional ease of use and sandability. Specifically optimized for LCD/DLP printing, it offers outstanding results for printing tabletop models to industrial parts, especially suitable for small and half-length models.

Fast-Mecha is the latest iteration of Fast Resin. It preserves the non-brittleness and easy printing of Fast resin while having a low friction non-scratch. It requires 25% exposure than other Fast Resin

To achieve optimal results with Fast Mecha White Resin, you need to use the appropriate slicer profiles for your printer model and software. You can download the slicer profiles for Chitobox and Lychee slicers from this link:

<https://siraya.tech/pages/print-settings-download>

Clean

Here are some tips for cleaning your printed parts:

- Use a brush to remove excess resin, clean with 95% ethanol or IPA (avoid acetone).
- After 2-3 minutes, remove alcohol with hair dryer or air blower. Clean/dry multiple times for complex parts.
- Check the dry surface for stickiness. If still sticky, wash and dry again.

Post Curing

Here are some tips for post-curing your printed parts:

- Fast resin reaches optimal strength when post-cured with 395-405nm UV light for 1-2 minutes.
- Ensure resin is completely cleaned and dry before curing.
- Fully dry Fast print before post-curing. No need to use water submersion technique