Siraya Tech

Technical Data Sheet

Siraya Tech Fast ABS-Like Resin

Creamy/Grey/White/Navy Grey
Green/Metal Grey/Smoky Black

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Product Introduction

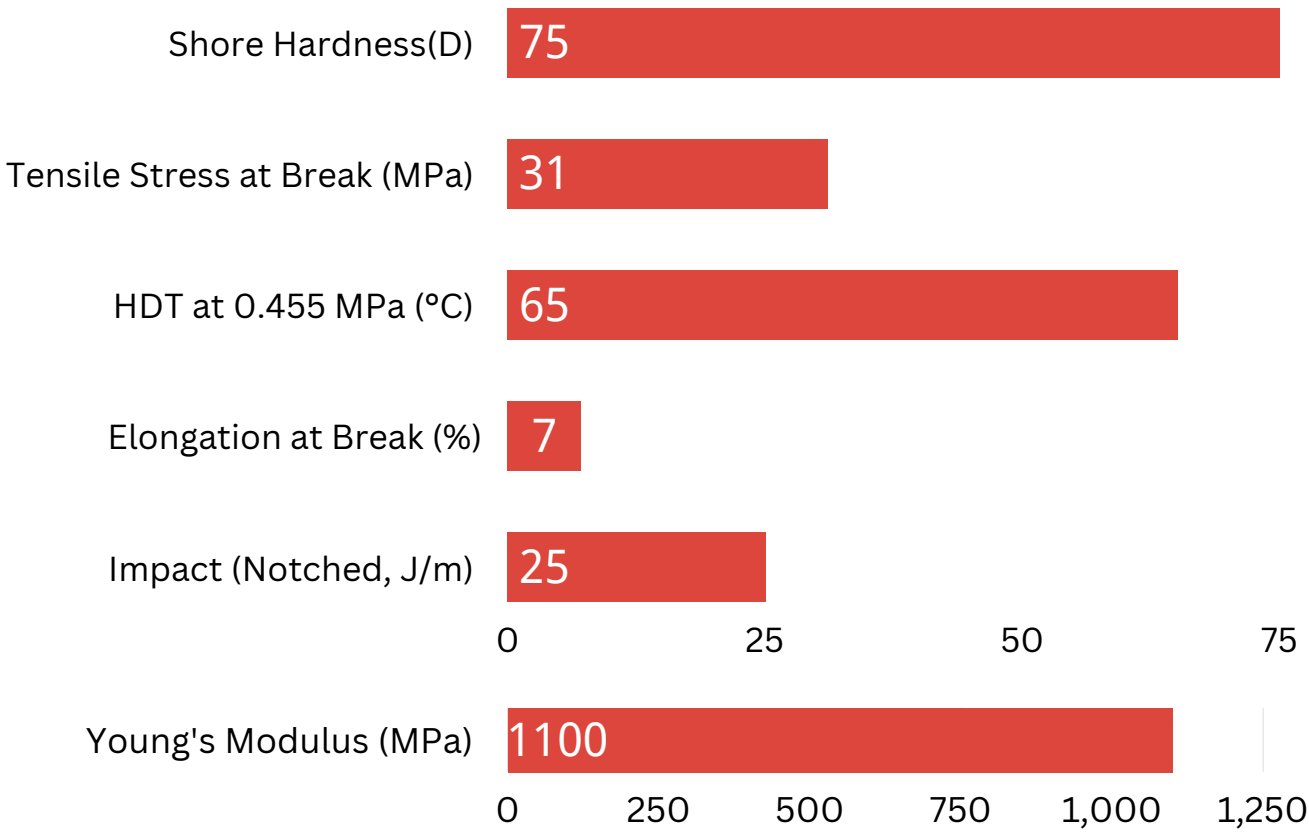
Fast ABS-Like Resin

Key Features

- Good fluidity for faster printing and a higher success rate
- Tough and not fragile, can withstand accidental falls
- Easy to clean, reducing printing time

Application:

- Great for general printing
- Tabletop miniatures
- Digital sculptures
- Industrial parts



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Property Data

Mechanical Properties	Measure	Method	Post Processed
Tensile Stress at Yield	33	ASTM D638	-
Tensile Stress at Break	31	ASTM D638	-
Young's Modulus	1100	ASTM D638	-
Elongation at Break	7	ASTM D638	-
Flexural Modulus	1400	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	65	0.455 MPa	-
IZOD Impact (Notched) J	25	-	-
Shore Hardness	75D	-	-
Solid Density	1.2	-	-
Water Absorption (24hr)	2%	-	-
Refractive index (For Clear only)	-		

Liquid Properties	Measure	Method	Post Processed
Viscosity at 25°C (77°F)	110	25°C (77°F)	-
Liquid Density	1.1	-	-

Work Flow

Printing

Fast Resin by Siraya Tech is a premium 3D printing material that offers fast printing and curing times, low odor, and easy cleaning. With high precision and detail retention, it's ideal for intricate designs. Perfect for prototyping and production, it's a top choice for hobbyists, artists, and beginners alike.

Fast Navy Grey requires 20% more exposure time than other Normal Fast. Fast Navy Grey and Fast Creamy have heavy pigments for a smooth matte look. Shake hard before opening to prevent white clusters from settling.
Video: https://www.youtube.com/watch?v=IGv7Y8owOLQ&feature=youtu.be

To achieve optimal results with Fast ABS-Like resin, you need to use the appropriate slicer profiles for your printer model and software. You can download the slicer profiles for Chitubox and Lychee slicers from this link: https://siraya.tech/pages/print-settings-download

Clean

Here are some tips for cleaning your printed parts:

- Eliminate excess resin using a hair brush and clean with 95% ethanol or IPA. Be cautious of acetone in methanol.
- After 4 minutes, use a hairdryer or air blower to remove alcohol. For intricate parts, clean/dry multiple times.
- Verify dryness by touching the surface. If it remains sticky, repeat washing and drying.

Post Curing

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

- The optimal strength of Fast is achieved through post-curing with UV after cleaning using 395-405nm UV light for approximately 1-2 minutes.
- Ensure complete removal of resin and dryness of the print before curing. No alcohol should remain.
- It is crucial to fully dry the Fast print before post-curing. Submerging in water is unnecessary.