



# Siraya Tech

## Technical Data Sheet

### Siraya Tech Fast Tough ABS-Like Resin

- Tough Grey
- Tough Navy Grey



# Product Introduction

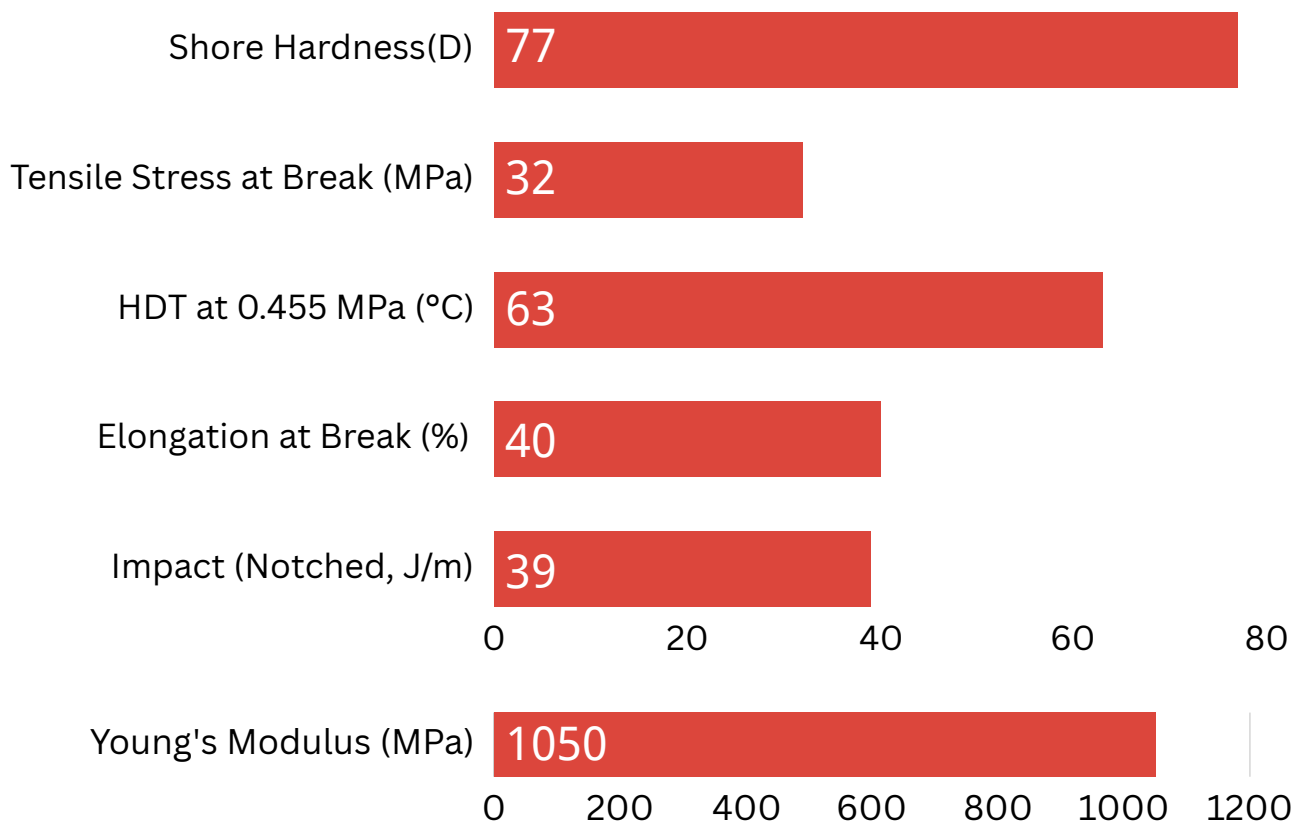
## Fast Tough ABS-Like Resin

### Key Features

- **Rapid Printing:** Engineered for fast curing times, increasing your throughput and efficiency.
- **Balanced Toughness:** Provides a level of toughness suitable for a variety of applications, without sacrificing print speed.
- **User-Friendly:** Designed for ease-of-use, enabling quicker setup, printing, and post-processing compared to standard resins. Ideal for large format printing.
- **Reduced Odor:** Formulated to minimize odors, making for a more pleasant printing environment.

### Application:

- Quick Prototyping
- Industrial Parts
- Educational Projects
- Creative Endeavors



# Property Data

Mechanical Properties	Measure	Method	Post Processed
Tensile Stress at Yield	34	ASTM D638	-
Tensile Stress at Break	32	ASTM D638	-
Young's Modulus	1050	ASTM D638	-
Elongation at Break	40	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	63	0.455 MPa	-
IZOD Impact (Notched) J	39	-	-
Shore Hardness	77	-	-
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)	130	25°C (77°F)	-
Liquid Density	1.1	-	-

# Work Flow

---

## Printing

Fast Tough Grey 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.

To achieve optimal results with Fast Tough Grey 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.