Siraya Tech

Technical Data Sheet

Siraya Tech Blu Easy Grey Tough Resin

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Product Introduction

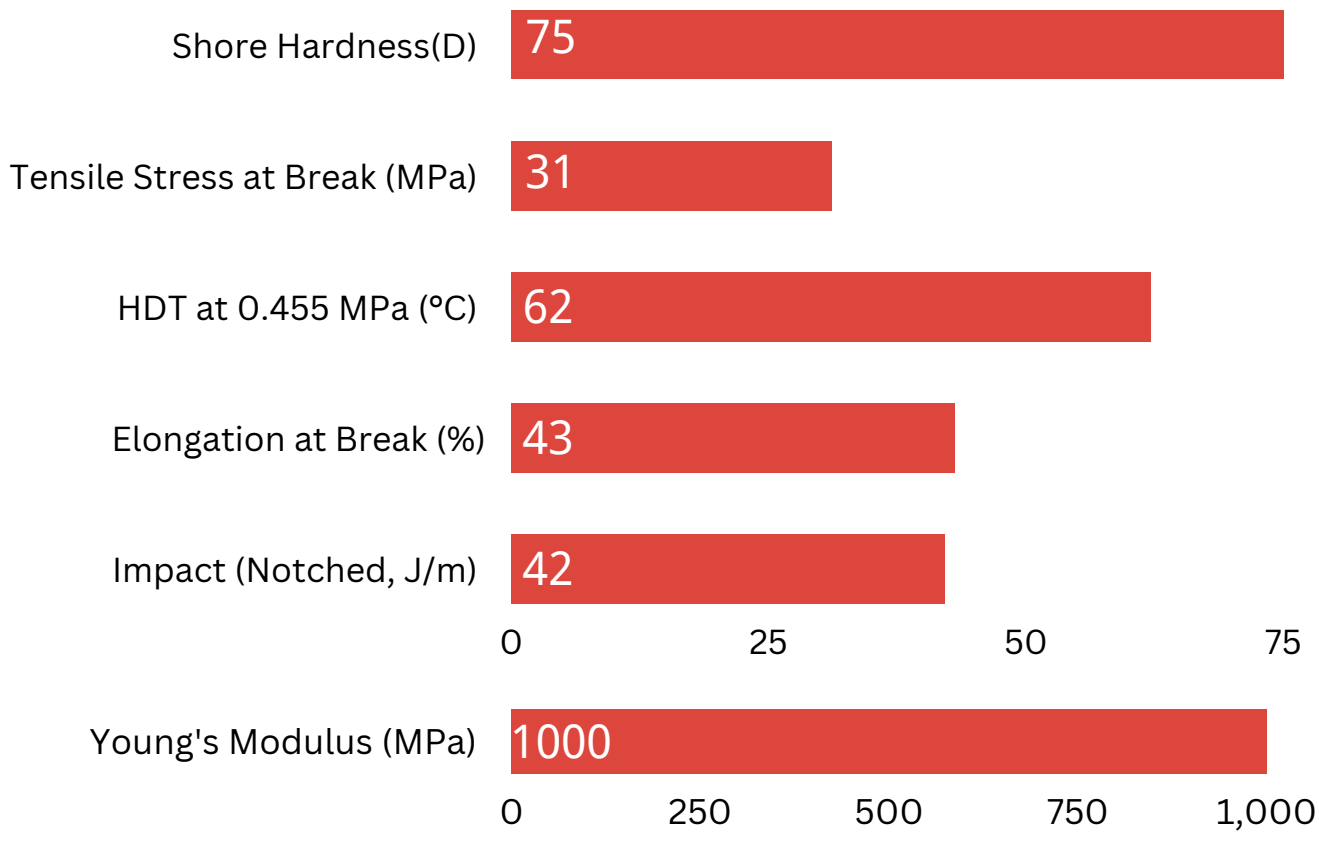
Blu Tough Resin - Easy Grey

Key Features

- **User-Friendly Viscosity:** Lower viscosity than Original Blu for streamlined printing and easier post-process cleaning.
- **High-Resolution Printing:** Optimized formula ensures smooth and precise prints that exceed standard performance metrics with faster curing time
- **Broad Compatibility:** Suitable for use with both LCD and DLP 3D printers, including large-format printers with panel sizes over 12 inches.
- **Reduced Odor:** Formulated to minimize odors, offering a more comfortable printing experience compared to Original Blu.

Application:

- Industrial Components
- Prototyping
- Creative Projects
- Large Format Printing



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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	1000	ASTM D638	-
Elongation at Break	43	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	62	0.455 MPa	-
IZOD Impact (Notched) J	42	-	-
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)	150	25°C (77°F)	-
Liquid Density	1.1	-	-

Work Flow

Printing

Blu Easy is an affordable fast curing tough resin that has great impact resistance yet still easy to print. It is ideal for model making like tabletop minis and figurines as well as engineering parts.

To achieve optimal results with Blu Tough Easy Grey 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:

- Use a painter brush (or any brush made with hair) remove excess resins on the printed part with Use 95% concentrated Ethanol (preferred) or IPA to clean. Some form of methnol should work but make sure it does not contain acetone.
- After 4 minutes of cleaning action, remove alcohol with a hair dryer or air blower. For complex part with lots cavities, it may be a good idea to clean/dry multiple times.
- User can check by touching the dryed surface of the part to see if it is still sticky. If the dryed surface is still sticky, wash some more and dry again.

Post Curing

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

- Blu Easy reaches its optimal strength when the printed part is post-cured with UV after cleaned. Use 395-405nm UV light and cure for about 1-2 minutes.
- Make sure resin is completely cleaned off and there is no alcohol left (it needs to be dry) on the print before curing.
- It is important to dry the print made by Blu Easy completely before post curing. There is no need to use submerge in water technique with Blu Easy.