Works with LulzBot TAZ FlexyDually and LulzBot TAZ/Mini Flexystruder

NinjaFlex performs with an exciting combination of elongation, elasticity, and strength. Simply put, it is the stretchiest material we have ever tested. NinjaFlex comes in many colors that have a beautiful, strong sheen after being 3D printed. Like SemiFlex, NinjaFlex is a premium and high quality filament material capable of opening the door to a wide range of new applications for your LulzBot desktop 3D printer.

This filament's soft elasticity, especially combined with the custom nature of 3D printing, make it ideal for costumes, cell phone cases, covers, grips, and thin sturdy membranes. When using hexagonal infill you can even create objects that are stiffer along one axis orientation, while the other axes remain soft and squishy. Since NinjaFlex is softer and bends more easily, it needs to be printed with the Flexystruder Tool Head. NinjaFlex's high elasticity also requires it to be printed at lower speeds and at a larger layer height than standard filaments.

Advanced users can utilize its ability to bind to ABS when using a FlexyDually Tool Head to make prosthetics, live hinges, wearables, and other projects requiring flexible, complex 3D printed items.

SemiFlex performs well as a tough, flexible filament with an exciting combination of pull strength, shock absorption, and print resolution. SemiFlex is a semi-hard flexible filament that comes in several different colors that have a slight sheen after being 3D printed. Like NinjaFlex, SemiFlex is a premium and high quality filament material capable of opening the door to a wide range of new applications for your LulzBot desktop 3D printer.

Filament Specifications

- Filament Diameter: 3mm (0.118 inches)
- Amount of Filament: 0.75 kg (1.65 lbs)

Printing Specifications

- Tool Head: LulzBot Flexystruder or FlexyDually Tool Head
- Hot End Temperature: 230°C
- Print Surface: To make removing 3D printed NinjaFlex objects easier, we strongly recommend applying a glue stick (such as UHU® brand) applied to the print surface prior to powering on your LulzBot 3D printer. Maintain the print surface by powering off your LulzBot and cleaning the glue stick residue with a soft cloth and water.
- Print Surface Temperature: Off

Packaging Information

NinjaFlex ships vacuum sealed and mounted on a reel.

Color Options:

Part Number	Description
RM-TE0001	Fire Red NinjaFlex
RM-TE0002	Midnight Black NinjaFlex
RM-TE0003	Sapphire Blue NinjaFlex
RM-TE0004	Snow White NinjaFlex
RM-TE0005	Flamingo Pink NinjaFlex
RM-TE0006	Lava Orange NinjaFlex
RM-TE0007	Grass Green NinjaFlex
RM-TE0009	Sun Yellow NinjaFlex
RM-TE0010	Water Clear NinjaFlex
RM-TE0011	Silver Metallic NinjaFlex
RM-TE0012	Gold Metallic NinjaFlex
RM-TE0014	Snow White SemiFlex
RM-TE0015	Midnight Black SemiFlex
RM-TE0016	Sapphire Blue SemiFlex
RM-TE0017	Fire Red SemiFlex
RM-TE0020	Almond NinjaFlex
RM-TE0021	Blush NinjaFlex
RM-TE0022	Caramel NinjaFlex
RM-TE0023	Mocha Brown NinjaFlex
RM-TE0024	Sky Blue NinjaFlex
RM-TE0025	Violet Purple NinjaFlex
RM-TE0026	Glow in the Dark NinjaFlex
RM-TE0027	LulzBot Green NinjaFlex