

# NinjaFlex® Edge 3D Printing Filament

## Flexible Material for FDM Printers

NinjaFlex Edge flexible filament leads the industry with superior flexibility and longevity compared to competitors. Its consistency in diameter and ovality (roundness) outpaces other materials. Made from a specially formulated thermoplastic material, this patented technology contains a low-tack, easy-to-feed texture. The result is uniquely flexible, strong prints ideal for extruders.

General Properties	Test Method	Imperial	Metric
Specific Gravity	ASTM D792	1.08 g/cc	1.08 g/cc
Moisture Absorption - 24 hours	ASTM D570	0.8 %	0.8 %

  

Mechanical Properties	Test Method	Imperial	Metric
Tensile Strength, Ultimate	ASTM D638	2,016 psi	13.9 Mpa
Tensile Modulus	ASTM D638	3,625 psi	25 Mpa
Elongation at Break	ASTM D638	793%	793%
Hardness	ASTM D2240	83 Shore A	83 Shore A

  

Thermal Properties	Test Method	Imperial	Metric
Melting Point (via Differential Scanning Calorimeter)	DSC	356° F	180° C
Glass Transition (Tg)	DSC	-78° F	-61° C

NinjaTek filament is capable of being printed by a variety of printers in a variety of configurations. This specification sheet gives results as they pertain to the defined test standard and specimen details. Different slicing and/or printing configurations, test conditions, ambient environments, etc. may result in different results.

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