

# 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	ISO 1183	1.08 g/cc	1.08 g/cc
Moisture Absorption - 24 hours	ISO 62	0.8 %	0.8 %
Mechanical Properties			
Tensile Strength, Ultimate	ISO 527-2	2180 psi	13.9 Mpa
Tensile Modulus	ISO 527-1	3630 psi	25 Mpa
Elongation at Break	ISO 527-2	900%	900%
Hardness	ISO 868	83 Shore A	83 Shore A
Thermal Properties			
Melting Point (via Differential Scanning Calorimeter)	ISO 11357	356° F	180° C
Glass Transition (Tg)	ISO 11357	-112° F	-80° 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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