NinjaTek *Technical Specifications*

Eel 3D Printing Filament

Fully Conductive, Flexible Filament for 3D Printers

Eel 3D printing filament is NinjaTek's first truly conductive, flexible filament. Eel's 355% elongation allows for repeated movement without wear or cracking. You'll produce reliable, high quality prints due to the consistent diameter. NinjaTek's Eel filament is chemical resistant to a variety of materials.

General Properties	Test Method	Imperial
Specific Gravity	ISO 2781	1.18 g/cm^3

Mechanical Properties	Test Method	Metric
Tensile Strength	ISO 527-2/51/500	12 MPa
Tensile Strength Elongation	ISO 527-2/51/500	355%
Tensile Stress at:		
50% Elongation	ISO 527-2/51/500	8MPa
100% Elongation	ISO 527-2/51/500	9MPa
300% Elongation	ISO 527-2/51/500	11MPa
Tear Strength Nicked	ISO 34-1B	84 kn/m
Hardness	ISO 868	90A

Conductive Properties		
Volume Resistance	ANSI/ESD STM 11.12	1.5 x 10^3
Surface Resistance	ANSI/ESD STM 11.11	1.5 x 10^3

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.

NinjaTek makes no warranties of any type, express or implied, including, but no liited to, the warranties of fitness for a partuclar application.

Specific Gravity (D792): Results determined by nature of material.