



# Chinchilla™ 3D Printing Filament

## Flexible TPE Material for FDM Printers

Chinchilla™ flexible 3D printer filament is the softest, best-feeling matte material in the market today. Created through a combination of premium TPE resins, Chinchilla's proprietary blend provides rebound, impact resistance and durability. With Chinchilla, you can create soft, long-lasting printed parts for fashion, healthcare and more.

General Properties	Test Method	Imperial	Metric
Specific Gravity	ASTM D792	1.13 g/cc	1.13 g/cc
Moisture Absorption - 24 hours	ASTM D570	0.8 %	0.8 %

Mechanical Properties	Test Method	Imperial	Metric
Tensile Strength, Yield	ASTM D638	770 psi	5 Mpa
Tensile Strength, Ultimate	ASTM D638	3,189 psi	22 Mpa
Tensile Modulus	ASTM D638	4,995 psi	34 Mpa
Elongation at Yield	ASTM D638	20%	20%
Elongation at Break	ASTM D638	600%	600%
Hardness	ASTM D2240	75 Shore A	75 Shore A

Thermal Properties	Test Method	Imperial	Metric
Melting Point	DSC	356° F	180° C
Glass Transition (Tg)	DSC	-12° 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.

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