BCN3D FILAMENTS

TPU 89 A

TPU98A is a specifically formulated flexible filament for easy & high speed printing on both direct and Bowden style 3D printers. TPU98A features an exceptionally high heat resistance (138□) and can be stretched as far as 450% before reaching its breaking point. TPU98A does not require the use of a heated bed and can even be printed straight onto (clean) glass. TPU98A is the flexible filament for (semi)professional users who do not want to compromise and require a high mechanical flexible filament that prints easily. TPU98A is an extremely usable flex-filament with a wide variety of different applications such as Orthopedic insoles, Prosthetics, Vibration dampers and many more.

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TPU 89 A - *Technical information including:*

Filament specs.		
Size	***Ø tolerance***	***Roundness***
2,85mm	± 0,10mm	≥ 95%

Mechanical Properties		
Description	***Testmethod***	***Typical value***
Specific gravity	ISO 1183	1,16 g/cc
Tensile Strength at Yield	ISO 527 1/2	50 Mpa
Elongation-Strain at Break	ISO 527 1/2	450%
Tensile (E) modulus	ISO 527	150 MPa
Impact Strength Charpy method 23°C	ISO 179	NB
Shore Hardness	ISO 7619-1	98A
Printing temperature	DF	235±10°C
Melting temp.	ISO 294	225°C
Glass transition (Tg)	DSC	-16°C
Vicat softening temperature	ASTM D 1525	138 ˚C