

FLEXFILL 98 A

DESCRIPTION

Flexfill 98A is semi-flexible filament that offers great mechanical properties. High tear and tensile strength and wear performance guarantee the durability of 3D printed products.

It has high abrasion resistance, toughness, great chemical and thermal resistance. The filament is good for printing of dynamically stressed parts, for example sealings.

This material can be used for production of electrical and electronic equipment. It doesn't contain the restricted substances. The use of the material in the food or medical industry is not recommended. Fillamentum guarantees precision of filament dimensions within the tolerance of +/- 0,10 mm, which is strictly controlled throughout the production.



PHYSICAL PROPERTIES	TYPICAL VALUE	TEST METHOD	TEST CONDITION
Material density	1,23 g/cm ³	ISO 1183-1	
Diameter tolerance	± 0,10 mm		
Weight	500 g of filament (+ 250 g spool)		

MECHANICAL PROPERTIES	TYPICAL VALUE	TEST METHOD	TEST CONDITION
Tensile strength	53,7 MPa	DIN 53504	at break, 200 mm/min
Tensile stress	12,1 MPa 22,1 MPa 28,4 MPa 37,8 MPa	DIN 53504 DIN 53504 DIN 53504 DIN 53504	10% elongation, 200 mm/min 50% elongation, 200 mm/min 100% elongation, 200 mm/min 300% elongation, 200 mm/min
Elongation at break	318 %	DIN 53504	200 mm/min
Hardness	98 Shore A 60 Shore D	ISO 7619-1 ISO 7619-1	
Tear strength	170 kN/m	ISO 34-1	500 mm/min
Abrasion	23 mm ³	ISO 4649	method A

PRINTING PROPERTIES	RECOMMENDED	NOTES
Print temperature	220-240 °C	Recommended settings!
Hot pad	50-60 °C	It may differ according to the printer and the object. Try your own optimization before printing.
Bed adhesive	Magigoo	For easy removing of the object