

Flexfill 98A

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 and great chemical 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	DIN 53504	10% elongation, 200 mm/min
	22,1 MPa	DIN 53504	50% elongation, 200 mm/min
	28,4 MPa	DIN 53504	100% elongation, 200 mm/min
	37,8 MPa	DIN 53504	300% elongation, 200 mm/min
Elongation at break	318 %	DIN 53504	200 mm/min
Hardness	98 Shore A	ISO 7619-1	
	60 Shore D	ISO 7619-1	
Tear strength	170 kN/m	ISO 34-1	500 mm/min
Abrasion	23 mm ³	ISO 4649	method A
Printing properties	Typical Value	Test Method	Test Condition
Print temperature	200-220 °C		
Hot pad	30-50 °C		

Workability of 3D printing filament is at least 12 months from delivery.

The information was processed with the best knowledge of the manufacturer and it is for information only.