

## Technical Data Sheet

# Flexfill 92A

Would you like your 3D models to **stand out by their elasticity and flexibility** but you could not find a suitable elastic material that would fulfill your idea? We have a solution - **try printing flexible parts with Flexfill 3D printing filament by Fillamentum**. And if you have a printer with two print heads you can use Flexfill to add an extra layer which will make a surface soft to touch.

### Physical properties

Properties	Typical Value	Test Method	Test Condition
Material density	1,20 g/cm <sup>3</sup>		
Melt volume index	29,2 cm <sup>3</sup> /10 min		210 °C, 10 kg
Diameter tolerance	± 0,01 mm		
Weight	500 g of filament (+ 250 g spool)		

### Mechanical properties

Properties	Typical Value	Test Method	Test Condition
Tensile strength	49 MPa	ISO 53504	
Elongation at break	600 %	ISO 53504	
Hardness	92 ShA	ISO 7619	
	42 ShD	ISO 7619	
Abrasion	30 mm <sup>3</sup>	ISO 4649	

### Printing properties

Properties	Typical Value	Test Method	Test Condition
Print temperature	200–220 °C		
Hot pad	30–50 °C		
Speed of printing	10–20 mm/min		
Mold shrinkage	0,90 %	ISO 294	

## Technical Data Sheet

# Flexfill 98A

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### Physical properties

Properties	Typical Value	Test Method	Test Condition
Material density	1,22 g/cm <sup>3</sup>	ISO 1183	
Diameter tolerance	± 0,01 mm		
Weight	500 g of filament (+ 250 g spool)		

### Mechanical properties

Properties	Typical Value	Test Method	Test Condition
Tensile strength	53,7 MPa	DIN 53504	200 mm/min
Elongation at break	318 %	DIN 53504	
Tensile storage modulus	444 MPa	ISO 6721	20 °C
Hardness	98 ShA	ISO 868	
	60 ShD	ISO 868	

### Thermal properties

Properties	Typical Value	Test Method	Test Condition
Melting temperature	215–235 °C		

### Printing properties

Properties	Typical Value	Test Method	Test Condition
Print temperature	200–220 °C		
Hot pad	30–50 °C		
Speed of printing	20–30 mm/min		