

FilaFlex

THE ORIGINAL ELASTIC FILAMENT FOR 3D PRINTING

PROPERTIES	STANDARD	VALUE	UNIT	TEST CONDITION
Shore hardness, method A	ISO 868	82	SHORE A	
Ultimate tensile strength	DIN 53504	54	Mpa	
Elongation to break	DIN 53504	700	%	200 mm/min
Compression set	ISO 815	25	%	72 h; 23 °C
Impact resilience	ISO 4662	42	%	
Abrasion resistance	ISO 4649 method A	30	mm³	
Tear propagation resistance	ISO 34-1	70	kN/m	500mm/min
Density	ISO 1183-1	1200	kg/m³	
Tensile storage modulus	ISO 6721-1,-4	48	MPa	20 °C
Tensile storage modulus	ISO 6721-1,-5	33	MPa	60 °C
Extrusion-Melt Temperature		200-260	°C	

CONSIDERATIONS

Filaflex **is not a Medical grade material**, cannot be used with direct contact with body fluids including direct contact with blood

Filaflex **is not designated to food contact or cosmetics applications.**