

Filaflex® Original 82A

Filaflex is a Thermoplastic Polyether-Polyurethane elastomer with additives that allow high printability in FDM printers, Filaflex® has a remarkable hydrolysis resistance, high resistance to bacteria and low temperature flexibility properties in printed parts.

PHYSICAL PROPERTIES	TYPICAL VALUE	Test method
Density	1,14 g/cm³	ISO 1183-1-A
Hardness Shore A	82	ISO 7619-1
Elongation at break	665%	ISO 37
Tensile strength	42 Mpa	ISO 37
Abrasion loss	23mm³	ISO 4649-A
Flammability rating	HB	UL 94

PRINTING PROPERTIES	VALUE
Printing Temperatures	225-235°C
Printing Speed	20-40 mm/s
Hot-Bed temperature	0 °C
Optimal layer height	0,2mm
Minimal Nozzle diameter	0,3MM (0,4mm or higher recommended)
Retraction parameters	3,5-6,5 mm (speed 20-120 mm/s)