

TECHNICAL DATE SHEET

FILOFlex MEDIUM

BASE MATERIAL: Thermoplastic Polyester-Polyurethane (> 80%) - Shore D 41 or A 93

PROPERTIES

PROPERTIES	VALUE	METOD AND CONDICTION
PHYSICAL & MECHANICAL	Density	1,24 g/cm ³ DIN EN ISO 1183-1-A
	Elongation at break	600,00% DIN 53504-S2 / ISO 37
	Tensile strength at break	55 Mpa DIN 53504-S2 / ISO 37
	Stress at 20 % elongation	6 Mpa DIN 53504-S2 / ISO 37
	Stress at 100 % elongation	9 Mpa DIN 53504-S2 / ISO 37
	Stress at 300 % elongation	13 Mpa DIN 53504-S2 / ISO 37
	Tear strength	95 N/mm DIN ISO 34-1Bb
THERMAL	Abrasion loss	30 mm ³ DIN ISO 4649-A
	Charpy (notched)	no break DIN EN ISO 179-1
	Compression set at room temperature	25% DIN ISO 815
Compression set at 70 °C	45% DIN ISO 815	

SUGGESTED PRINTER SETTING

PARAMETERS	VALUE	UNIT
Extruder Temperature	200-230	°C
Print Speed	15 - 40	mm/s
Bed Material	0 - 50	°C
Drying Temperature	100 °C for 4-6 hr	dry conditions is recommended

PRODUCT DETAILS & CERTIFICATION

Diameter	1,75 mm 2,85 mm	Tolerance ± 0,05mm Tolerance ± 0,10mm
REACH compliant		compliant
ROHS certified		compliant
FDA compliant		not compliant

The information supplied in relation to our products recommendations or otherwise, is collected from source considered to be dependable or internally developed. Ciceri de Mondel Srl assumes no liability and makes no warranties of any kind about the accuracy of this datas. The user assumes all responsibility for the use of all information provided and shall.