

TECHNICAL DATE SHEET

BIOFLEX

BASE MATERIAL: Copolyester

PROPERTIES

PROPERTIES	VALUE	METOD AND CONDICTION
PHYSICAL & MECHANICAL	Density	1,09 g/cm3
	Hardness/ Flexure Modulus	27 SHORE D
	Tensile strength at break	16 Mpa
	Tensile Modulus	35 Mpa
	Tensile Elongation	800%
THERMAL	Melting point	185°C
	Glass transition temperature	-70°C
	Viscat Softening Temperature	/
	Electrical properties:	
	Volume resistivity	> 10 ¹³ Ohm.cm at 23°C
	Dielectric strength	16 kV/mm at 23°C
		ASTM D 257
		ASTM D 149

SUGGESTED PRINTER SETTING

	VALUE	UNIT
Extruder Temperature	210 – 230	°C
Print Speed	40 – 60	mm/sec
Bed Material	0 – 70	°C

PRODUCT DETAILS & CERTIFICATION

Diameter	1,75 mm 2,85 mm	Tollerance ± 0,05mm Tollerance ± 0,10mm
REACH compliant		ND
FDA compliant		ND
ROHS certified		ND

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