

TECHNICAL DATE SHEET

BIOFLEX ANTIBACTERIAL

BASE MATERIAL: Copolyester (TPC-ET)

PROPERTIES

PROPERTIES	VALUE	METOD AND CONDICTION	
PHYSICAL & MECHANICAL	Density	1,1 g/cm ³	D792
	Hardness/ Flexure Modulus	35 SHORE D	ASTM D2240
	Tensile strength at break	22 Mpa	ISO 527
	Flexure Modulus	45 Mpa	ISO 178
	Tensile Elongation	750%	ISO 527
	Izod (notched) at 23 and -40°C	NO BREAK	ISO 180
OTHERS	Melting point	185°C	ASTM D3417
	Viscat Softening Temperature	137 °C	ISO 306
	BACTERIOSTATIC properties:		
	Microbiological activity reduction: E.Coli (Gram -)	> 80%	ISO 22196
	Microbiological activity reduction: A. Staphylococcus	> 80%	ISO 22196

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	Tolerance ± 0,05mm Tolerance ± 0,10mm
REACH compliant		ND
FDA compliant		ND
ROHS certified		ND

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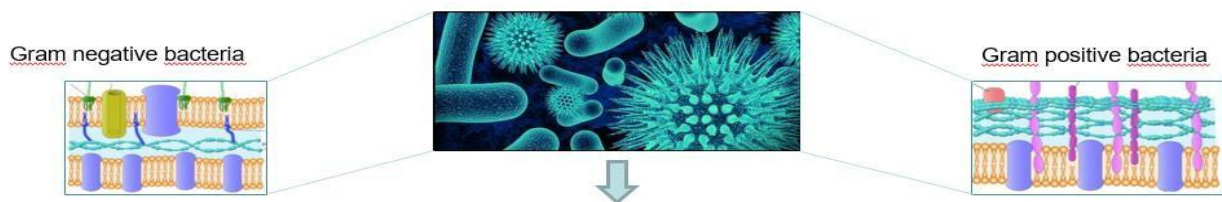
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Plantura® is a Bacteriostatic compound aimed to prevent bacteria growth on polymeric surfaces.
COPOLYMER based, fully food approved Eu 10/2011.
NO Biocide. NO cytotoxic.

- ❑ **This solution exhibits the capacity to create a natural hostile environment for the bacteria proliferation – without chemical reactions and/or destructive interaction with vital cells.**



- ❑ **How this solution works:**

