



ANTIBACTERIEN ULTRA

DESCRIPTION :

ANTIBACTERIAL ULTRA is a filament manufactured with PLA and silver nanoparticles that provide antibacterial properties to the material, preventing the growth of rust, fungus and all bacteria that causes bad smells, discoloration, stains, deterioration and corrosion on the printed pieces.

The antibacterial effectiveness of this filament has been tested and certified by an external laboratory under the norm ISO 22196. The test has been carried out on two bacterial strains: *Staphylococcus aureus* and *Escherichia coli*. The results obtained indicate a reduction in bacterial activity by 99.99% after 24 hours

Chemical Name : Modified Polylactic Acid

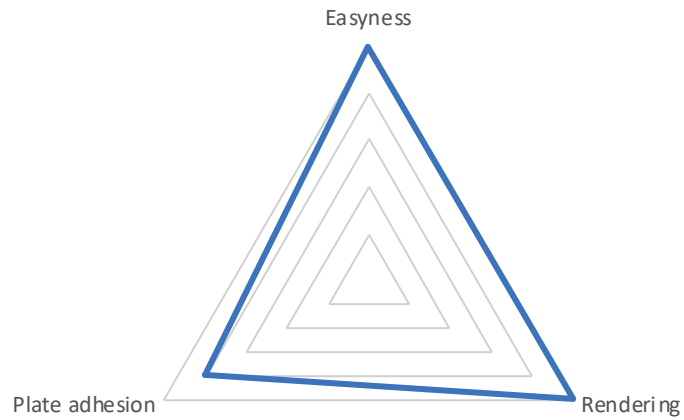
750g - 1.75mm

PROPERTY	VALUE	UNIT	TEST METHOD
Material Density	1.24	g/cm ³	ISO 1183
Glass Transition Temperature	55-60	°C	D3418
Tensile Strength at Break	45.5	MPa	ISO 527
Tensile Modulus	31800	MPa	ISO 527
Tensile Elongation at Break	≤ 5	%	ISO 527
Charpy Impact (Notched at 23°C)	≤ 5	KJ/m ²	ISO 179 1eU
Heat Distorsion Temperature (HDT B)	6,00E+01	°C	ISO 75
Print Temperature	200-240	°C	
Hot Pad	0-60	°C	
Fan Layer ON	-10000%	%	



VOLUMIC
IMPRIMANTES 3D

ANTIBACTERIEN ULTRA



VOLUMIC 3D
12bis Rue Louis GA RNERAY
06300 NICE
France

TVA: FR55452187792
EORI: FR45218779200026

Téléphone: +33 9 500 27 400
Email: info@volumic3d.com
Internet: www.volumic3d.com