Nanovia PLA VX:

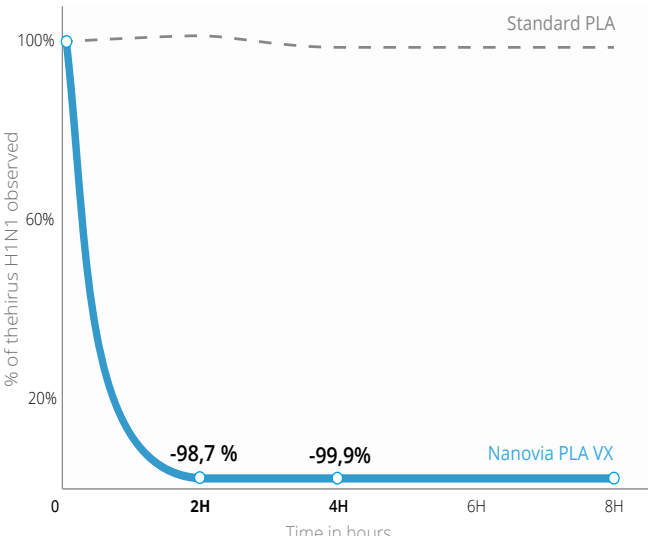
3D Virucide Filament Norm ISO 21702

This PLA based filament with virucidal properties is certified ISO 21702 for its anti-viral activity
The innovative Nanovia VX formula (patent pending) proves itself effective in preventing and eliminating the spread of viruses and pathogens.

Certifications:

ISO 21702 Antiviral activity on H1N1 Influenza, - 98.7% after 2h, and - 99.9% after 4 hours

Elimination of the H1N1 virus using **Nanovia PLA VX**



Biological

% elimination 2H	98.7% ISO 21702
% elimination 2H	99.9% ISO 21702
% elimination 2H	99.9% ISO 21702

3D Printing

Extrusion T°	210 - 240 °C
Plate T°	20 - 60 °C
Nozzle	> 0.4 mm
Printing Speed	50 - 70 mm/s
Diameter	1,75 mm/2.85 mm
Linear Weight (g/m)	2,4 g/m (1.75 mm) 6.9 g/m (2.85mm)

Mechanical

Density	1,24 g/cm³ ASTM D792
Young modulus	2315 Mpa ASTM D638
Break resistance	50 Mpa ASTM D638
Elong. at Break	3.5 % ASTM D638
Charpy notched	1.8 kJ/m2 ISO 179-1eU

Thermal

Tg	54 °C
HDT 0,45MPa (66Psi)	80 - 90 °C

Health & Safety

Do not apply paint or any coating on pieces printed using Nanovia PLA VX, in order to conserve its virucide properties.

Refer to the material safety sheet for additional information.

Packaging

Spools available in 500g / 2kg diameter 1.75mm or 2.85mm.

Spools are packed in individual boxes, vacuum sealed with desiccant.

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