



TDS Rev 3.0

Technical Data Sheet: FluorX™ PVDF 3D Printing Filament

Physical Properties	Standard	Unit	Typical Value
Density	ISO 1183	g/cc	1.71

Mechanical Properties	Standard	Unit	Typical Value
Tensile Strength, Break	ISO 527	MPa	51
Tensile Modulus	ISO 527	MPa	2450
Tensile Elongation, Break	ISO 527	%	25
Flexural Strength	ISO 178	MPa	50
Flexural Modulus	ISO 178	MPa	1800

Thermal Properties	Standard	Unit	Typical Value
Melting Point	ISO 11357	°C	170
Deflection Temperature at 0.45 MPa (66psi)	ISO 75	°C	158

Fire Testing*	Standard	Unit	Typical Value
Flamability Rating (*Base Resin)	UL 94	-	V-0 @1.5mm

Printed Specimen Conditions
Printer: Open Source FDM/FFF
Nozzle: 0.4mm
Layer Height: 0.25mm
Infill: 100%, +/- 45°
Extrusion Temp: 255-275°C
Bed Temp: 70-110 °C
Specimen Orientation: XY Flat

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