

PETG FP

INNOVATEFIL® PETG FP is a product based on Copolyester Glycol (PETG), modified with flame retardant additives, complies with the V-0 specification according to the UL94 standard, flame-retardant polymer based on halogens and red phosphorus.



Fireproof



Chemical resistance

	VALUES	UNIT OF MEASUREMENT	STANDARD		
PHYSICAL PROPERTIES					
Chemical composition	Polyethylene glycol terephthalate compound				
Density	1,26	g/cm ³	ISO 1183		
MECHANICAL PROPERTIES¹					
Tensile strength	40	MPa	ISO 527		
Traction module	2350	MPa	ISO 527		
Flexion strength	-	MPa	ISO 178		
Flexion module	-	MPa	ISO 178		
Traction elongation (until breakage)	40	%	ISO 178		
Charpy Impact Force (notch, 23°C)	3	kJ/m ²	ISO 179		
Hardness	-	Shore D	ISO 7619 - 1		
THERMAL PROPERTIES					
Softening temperature VICAT - B	70	°C	ISO 306		
Thermal deflection temperature HDT - A	63	°C	ISO 75		
Thermal deflection temperature HDT - B	58	°C	ISO 75		
FLAMMABILITY					
Oxygen index	35	%	ASTM D2863		
GWFI - Glow Wire Flammability Index (@ 1 y 2 mm)	960	°C	IEC 60695-2-12		
GWIT - Glow Wire Ignition Test (@ 1 y 2 mm)	775	°C	IEC 60695-2-12		
PRINT PROPERTIES					
Printing temperature	235 - 260	°C			
Temperature of the base or bed	40 - 80	°C			
Print speed	35 - 50	mm/s			
Layer fan	60 - 80	%			
SIZE					
SIZE	NET WEIGHT	GROSS WEIGHT	DIAMETER	COLOR	PACKAGING
M	750 g	975 g	1,75 mm/2,85 mm	Several	Cardboard box, aluminum vacuum bag, desiccant bag.

NOTICE: The information provided in the data sheets is intended to be for reference only. It should not be used as design values or quality control. Actual values can differ significantly depending on printing conditions. The final performance of printed components not only depends on the materials, design and printing conditions are also important.