

PP GF

INNOVATEFIL PP GF is a filament with a polypropylene base reinforced with a high load of fiberglass, which considerably improves the dimensional stability of the final piece, achieving very good quality finishes.

In addition, thanks to the incorporation of these fibers, we obtain a more rigid material than PP without load, but with enough flexibility to provide high impact, mechanical and thermal resistance.



Allow for all printers



Impact resistance



Chemical resistance



High industrial capacity

	VALUES	UNIT OF MEASUREMENT	STANDARD
PHYSICAL PROPERTIES			
Chemical name	Polypropilene with Fiberglass		
Density		g/cm ³	ISO 1183
MECHANICAL PROPERTIES ¹			
	XY PLAN	PLANO XZ	
Tensile strength	-	-	MPa
Traction module	-	-	Mpa
Bending strength	-	-	Mpa
Bending modulus	-	-	Mpa
Elongation at maximum effort	-	-	%
Stretch traction at break	-	-	%
Elongation of bending at break	-	-	%
Charpy Impact Force (non-notched)	-	-	KJ/m ²
Hardness	-	-	Shore D
THERMAL PROPERTIES			
Glass transition temperature (Tg)	-	°C	ISO 11357
VICAT B (50N 50°C/h)	-	°C	ISO 306
HDT B (0.45 Mpa)	-	°C	ISO 75
PRINTING PROPERTIES			
Printing temperature	205-225	°C	
Bed temperature	50-60	°C	
Cover fan	40-60	%	
Flow	100	%	
Cover height	≥ 0.2	mm	
Nozzle recommendations	≥ 0.4 (steel)	mm	

SIZE	NET WEIGHT	GROSS WEIGHT	DIAMETER	COLOR	PACKAGING
M	750 g	975 g	1.75 mm/2.85 mm	Natural	

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