FILAMEON

PP-CF Filament

Description	Application
Requires heated bed	In drones, watercraft, automotive parts,
High toughness,strength and stiffness	Benefit from a lightweight, tough, chemically resistant materials
High resistance to chemicals	
Suitability for statically generated electrical discharge	

Processing Guide		
Nozzle Temperature (°C)		220-250
Heated bed temperature (°C)		50-80
Adhesive on build plate		Required (optional)
Printing environment		Room Temperature
Diameters and Tolerances		
Dia. 1.75 mm		±0.04 mm
Physical Properties		
Density (g/cm^3)		1
Water absorption(%)	(23°C / 24h)	0,2-0,6
Mechanical Properties		
Tensile Strength-Yield (MPa)		54
Elongation at maximum force(%)		1,2
Flexural Strength (MPa)		78
Charpy impact strength(kJ/m^2)		35
Thermal Properties		
Vicat Softening Temp (°C)		80
Continuous service temperature(°C)		100
Electrical Properties		
Surface resistance(Ω)		≤10^7