



Filament Data Sheet

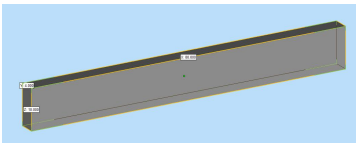
PETG-CF

Revision Date:12/01/2026

Application: FDM

Version: 01

RECOMMENDED PRINTING CONDITIONS	
Nozzle Temperature	230-260°C
Bed Temperature	60-100°C
Closure Chamber	Recommended open printing
Drying Setting	55°C for 6H

FLEXURAL TESTING SPECIMEN	TENSILE TESTING SPECIMEN	IMPACT TESTING SPECIMEN
ISO 178/T 9341	ISO 527,GB/T 1040	ISO 180,GB/T1043
		

PHYSICAL PROPERTIES				
Performance	Condition	Standards	Unit	Values
Density	25°C	ISO 1183	g/cm ³	1.168
Melt Flow Rate	240°C/2.16kg	ISO 1133	g/10min	24.00

MECHANICAL PROPERTIES				
Performance	Condition	Standards	Unit	Values
TensileStrength (X-Y)	10*4mm sample	ISO 527-2	MPa	55.40
TensileStrength (Z)	10*4mm sample	ISO 527-2	MPa	15.56
Elongation at break (X-Y)	10*4mm sample	ISO 527-2	%	9.50
Elongation at break (Z)	10*4mm sample	ISO 527-2	%	4.45
Bending modulus(X-Y)	10*4mm sample	ISO178	MPa	2660.13
Bending modulus(Z)	10*4mm sample	ISO178	MPa	1416.13
Bending strength (X-Y)	10*4mm sample	ISO178	MPa	76.49
Bending strength (Z)	10*4mm sample	ISO178	MPa	35.59
Notched impact strength (X-Y)	10*4mm sample notched	ISO180	KJ/m ²	4.98
Notched impact strength (Z)	10*4mm sample notched	ISO180	KJ/m ²	2.31
Non-notched impact strength (X-Y)	10*4mm sample non notched	ISO180	KJ/m ²	35.25
Non-notched impact strength (Z)	10*4mm sample non notched	ISO180	KJ/m ²	6.24

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