



Filament Data Sheet

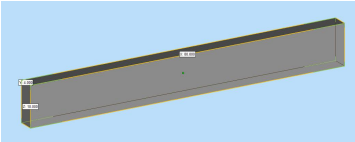
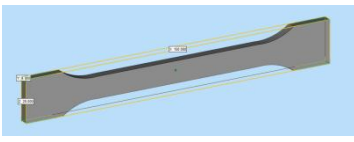
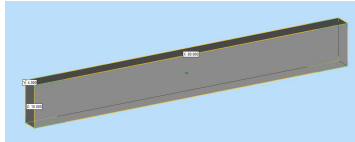
ABS

Revision Date:12/1/2026

Application: FDM

Version: 01

RECOMMENDED PRINTING CONDITIONS	
Nozzle Temperature	260-290°C
Bed Temperature	80-100°C
Closure Chamber	Recommended closed printing
Drying Setting	70°C for 8H

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	1.064
Melt Flow Rate	260°C/2.16kg	ISO 1133	g/10min	8.04

MECHANICAL PROPERTIES				
Performance	Condition	Standards	Unit	Values
TensileStrength (X-Y)	10*4mm sample	ISO 527-2	MPa	36.56
TensileStrength (Z)	10*4mm sample	ISO 527-2	MPa	15.23
Elongation at break (X-Y)	10*4mm sample	ISO 527-2	%	5.74
Elongation at break (Z)	10*4mm sample	ISO 527-2	%	3.34
Bending modulus(X-Y)	10*4mm sample	ISO178	MPa	2391.43
Bending modulus(Z)	10*4mm sample	ISO178	MPa	1499.81
Bending strength (X-Y)	10*4mm sample	ISO178	MPa	50.19
Bending strength (Z)	10*4mm sample	ISO178	MPa	31.97
Notched impact strength (X-Y)	10*4mm sample notched	ISO180	KJ/m ²	18.27
Notched impact strength (Z)	10*4mm sample notched	ISO180	KJ/m ²	2.06
Non-notched impact strength (X-Y)	10*4mm sample non notched	ISO180	KJ/m ²	37.43
Non-notched impact strength (Z)	10*4mm sample non notched	ISO180	KJ/m ²	5.63

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