



Filament Data Sheet

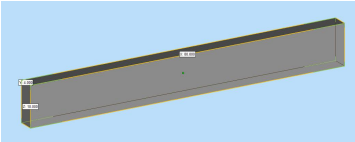
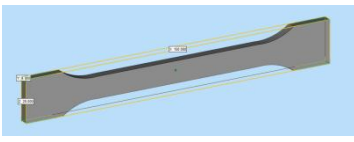
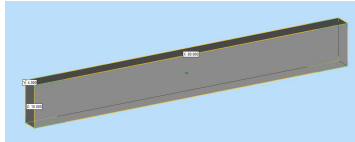
ASA

Revision Date:26/12/2025

Application: FDM

Version: 01

RECOMMENDED PRINTING CONDITIONS	
Nozzle Temperature	250-280°C
Bed Temperature	80-120°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	1.114
Melt Flow Rate	260°C/2.16kg	ISO 1133	g/10min	14.4

MECHANICAL PROPERTIES				
Performance	Condition	Standards	Unit	Values
TensileStrength (X-Y)	10*4mm sample	ISO 527-2	MPa	37.8
TensileStrength (Z)	10*4mm sample	ISO 527-2	MPa	17.35
Elongation at break (X-Y)	10*4mm sample	ISO 527-2	%	7.11
Elongation at break (Z)	10*4mm sample	ISO 527-2	%	4.32
Bending modulus(X-Y)	10*4mm sample	ISO178	MPa	1808.51
Bending modulus(Z)	10*4mm sample	ISO178	MPa	1507.66
Bending strength (X-Y)	10*4mm sample	ISO178	MPa	52.36
Bending strength (Z)	10*4mm sample	ISO178	MPa	25.01
Notched impact strength (X-Y)	10*4mm sample notched	ISO180	KJ/m ²	19.59
Notched impact strength (Z)	10*4mm sample notched	ISO180	KJ/m ²	1.96
Non-notched impact strength (X-Y)	10*4mm sample non notched	ISO180	KJ/m ²	33.74
Non-notched impact strength (Z)	10*4mm sample non notched	ISO180	KJ/m ²	5.22

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