



# Filament Data Sheet

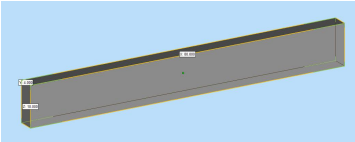
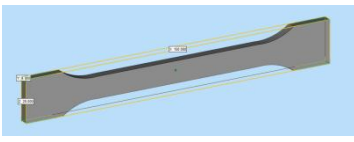
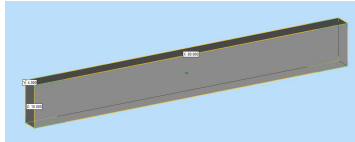
## ABS-LITE

Revision Date:26/12/2025

Application: FDM

Version: 01

RECOMMENDED PRINTING CONDITIONS	
Nozzle Temperature	230-260°C
Bed Temperature	40-80°C
Closure Chamber	Recommended open 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 <sup>3</sup>	1.092
Melt Flow Rate	230°C/2.16kg	ISO 1133	g/10min	22.5

<b>MECHANICAL PROPERTIES</b>				
<b>Performance</b>	<b>Condition</b>	<b>Standards</b>	<b>Unit</b>	<b>Values</b>
<b>TensileStrength (X-Y)</b>	10*4mm sample	ISO 527-2	MPa	38.67
<b>TensileStrength (Z)</b>	10*4mm sample	ISO 527-2	MPa	19.68
<b>Elongation at break (X-Y)</b>	10*4mm sample	ISO 527-2	%	9.32
<b>Elongation at break (Z)</b>	10*4mm sample	ISO 527-2	%	3.37
<b>Bending modulus(X-Y)</b>	10*4mm sample	ISO178	MPa	1072.25
<b>Bending modulus(Z)</b>	10*4mm sample	ISO178	MPa	843.53
<b>Bending strength (X-Y)</b>	10*4mm sample	ISO178	MPa	43.69
<b>Bending strength (Z)</b>	10*4mm sample	ISO178	MPa	25.92
<b>Notched impact strength (X-Y)</b>	10*4mm sample notched	ISO180	KJ/m <sup>2</sup>	21.3
<b>Notched impact strength (Z)</b>	10*4mm sample notched	ISO180	KJ/m <sup>2</sup>	6.3
<b>Non-notched impact strength (X-Y)</b>	10*4mm sample non notched	ISO180	KJ/m <sup>2</sup>	54.17
<b>Non-notched impact strength (Z)</b>	10*4mm sample non notched	ISO180	KJ/m <sup>2</sup>	12.23

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