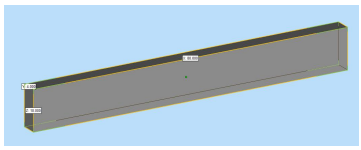
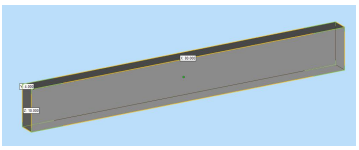
Filament Data Sheet

PA6-EASE

Revision Date:22/01/2026
Application: FDM
Version：01

RECOMMENDED PRINTING CONDITIONS	
Nozzle Temperature	250-270°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**	**Starndards**	**Unit**	**Values**
Density	25°C	ISO 1183	g/cm³	1.054
Melt Flow Rate	260°C/2.16kg	ISO 1133	g/10min	16.14

MECHANICAL PROPERTIES				
Performance	Condition	Starndards	Unit	Values
TensileStrength （X-Y）	10*4mm sample	ISO 527-2	MPa	39.17
TensileStrength （Z）	10*4mm sample	ISO 527-2	MPa	15.41
Elongation at break（X-Y）	10*4mm sample	ISO 527-2	%	6.11
Elongation at break（Z）	10*4mm sample	ISO 527-2	%	2.74
Bending modulus(X-Y)	10*4mm sample	ISO178	MPa	1955.60
Bending modulus(Z)	10*4mm sample	ISO178	MPa	1676.87
Bending strength (X-Y)	10*4mm sample	ISO178	MPa	54.15
Bending strength (Z)	10*4mm sample	ISO178	MPa	30.59
Notched impact strength (X-Y)	10*4mm sample notched	ISO180	KJ/㎡	20.79
Notched impact strength (Z)	10*4mm sample notched	ISO180	KJ/㎡	2.11
Non-notched impact strength (X-Y)	10*4mm sample non notched	ISO180	KJ/㎡	42.73
Non-notched impact strength (Z)	10*4mm sample non notched	ISO180	KJ/㎡	5.49