



Filament Data Sheet

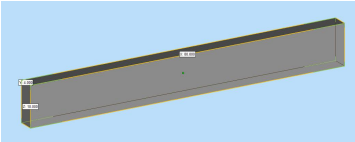
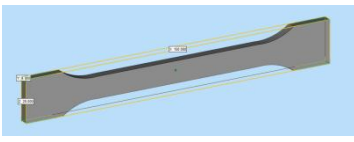
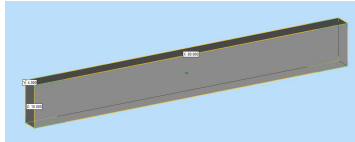
PA6-EASE

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 | Standards | Unit | Values |
| Density | 25°C | ISO 1183 | g/cm ³ | 1.054 |
| Melt Flow Rate | 260°C/2.16kg | ISO 1133 | g/10min | 16.14 |

| MECHANICAL PROPERTIES | | | | |
|--|---------------------------|------------------|-------------------|---------------|
| Performance | Condition | Standards | 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/m ² | 20.79 |
| Notched impact strength (Z) | 10*4mm sample notched | ISO180 | KJ/m ² | 2.11 |
| Non-notched impact strength (X-Y) | 10*4mm sample non notched | ISO180 | KJ/m ² | 42.73 |
| Non-notched impact strength (Z) | 10*4mm sample non notched | ISO180 | KJ/m ² | 5.49 |

Disclaimer: The information presented above is derived from general insights and recommendations concerning Lotactree's products and their applications, as provided by the Lotactree laboratory. The data and information presented are for general reference only and do not constitute design specifications or performance guarantees. Actual results may vary depending on material batch, printing, and environmental conditions. Users are responsible for verifying the suitability, safety, and compliance of materials for their specific applications. Lotactree reserves all rights to modify product specifications without prior notice and assumes no liability for any loss or damage resulting from improper use.