

# TPU (85A)



Fused Deposition Modelling  
(FDM)  
Material Datasheet



A highly flexible, rubber-like material ideal for applications requiring elasticity and impact absorption. Available in multiple colours.

Measurement	Value
Tensile Strength (Z)	10.5 ± 0.6 MPa
Tensile Strength (X-Y)	12.0 ± 0.8 MPa
Breaking Elongation Rate (X-Y)	> 700%
Breaking Elongation Rate (Z)	> 350%
Young's Modulus (X-Y)	6.8 ± 0.7 MPa
Young's Modulus (Z)	5.2 ± 0.6 MPa
Impact Strength (X-Y)	124.3 kJ/m <sup>2</sup>
Impact Strength (Z)	88.5 kJ/m <sup>2</sup>

Actual values may vary depending on build conditions. Our technical team can advise.