



TPU (90A)



Fused Deposition Modelling
(FDM)
Material Datasheet



Offers a balance between flexibility and structural strength. It is suitable for parts that need to flex while maintaining shape. Multiple colours available.

Measurement	Value
Tensile Strength (Z)	10.1 ± 0.6 MPa
Tensile Strength (X-Y)	12.5 ± 0.8 MPa
Breaking Elongation Rate (X-Y)	> 650%
Breaking Elongation Rate (Z)	> 350%
Young's Modulus (X-Y)	5.3 ± 0.7 MPa
Young's Modulus (Z)	4.4 ± 0.6 MPa
Impact Strength (X-Y)	124.2 kJ/m ²
Impact Strength (Z)	87.3 kJ/m ²

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