



TPU 85

Alternative Designations

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Key Features

Flexibility • Chemical resistance • Wear resistance • Biocompatibility

Description

TPU 85A filament offers exceptional thermal, mechanical, and chemical properties, making it ideal for various applications. Its versatility extends from medical equipment to automotive and industrial manufacturing, thanks to its biocompatibility, wear resistance, and pleasant tactile qualities. Whether for skin-contact objects in healthcare or demanding industrial needs, TPU 85A is a reliable choice. This filament comes in white colour.

Mechanical Properties

Tensile modulus	12 MPa
Tensile strength	4 MPa
Elongation at break	600%
Hardness (Shore A)	86

Thermal Properties

Heat deflection temperature (0.45 MPa)	44°C
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Physical Properties

Density	1.114 g/cm ³
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Reference

Datasheets provided by Xometry contain materials sourced through trusted OEMs, material distributors, and databases. Please visit [Filament2print](#) and for further information on this material.