



Data Sheet

Flex TPU (SLS)

Alternative Designations

Thermoplastic Polyurethane Elastomers

Key Features

High elasticity · High strength · Resistant to chemicals

Description

This material is a powder of a thermoplastic elastomer that is naturally coloured and rubber like. It produces fully functional, flexible parts of highest quality. The rubber-like characteristics gives it an excellent prototyping quality.

Mechanical Properties

Tensile modulus	60 MPa
Tensile strength	7 MPa
Elongation at break	250%
Flexural modulus	GPa

Thermal Properties

Melting temperature (20°C/min)	138°C
Heat deflection temperature (0.45 MPa)	50°C

Physical Properties

Density	1.11 g/cm ³
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Reference

Datasheets provided by Xometry contain materials sourced through trusted OEMs, material distributors, and databases. Please visit [Materialdatacenter.com](https://www.materialdatacenter.com) for further information on this material.