



SIL 30

Alternative Designations

Silicone Urethane

Key Features

Biocompatible • Resistant to tear • Soft

Description

SIL 30 is a type of filament that is often used in 3D printing. It is a strong and durable material that can produce high-quality prints. It is also one of the most popular materials used in the industry due to its many benefits. This material is biocompatible as well as tear resistant. It provides comfortable skin contact. It is used in the printing of headphones, wristbands and other wearables. It has a glass transition temperature of 10°C with a shore hardness of 35. It is comparable to commercial TPE.

Mechanical Properties

Tensile modulus	3 MPa
Tensile strength	3.5 MPa
Elongation at break	350%
Hardness (Shore A)	35

Thermal Properties

Softening temperature	10°C
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Physical Properties

Density	1.07 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 for further information on this material.