

# Data Sheet: Sil 30

## Details

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.

## Key Features

Biocompatible • Resistant to tear.

## Mechanical Properties

Property	Value
Tensile strength [MPa]	1.5
Modulus of elasticity [GPa]	0.003
Tear strength [KN/m]	10
Compression Set, 23°C [%]	10
Hardness	35
Elongation at break [%]	350

## Other Properties

Property	Value
Density [g/cm <sup>3</sup> ]	1.07
Dissipation factor	0.15
Dielectric constant	7.6
Glass transition temperature [°C]	10



*Manufacturing On Demand*

## 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.