

Data Sheet: Food Grade SLS PA12 Whitish

Details

This material produces functional parts of the highest quality. It has a well-balanced property profile with excellent long term constant behaviour. It has excellent mechanical characteristics and is often used as a substitute injection moulding plastic. Due to its biocompatibility, it is used in various medical applications.

Key Features

High strength · Resistant to chemicals · Biocompatible

Thermal Properties

Property	Value
Melting point [°C]	185 - 189

Mechanical Properties

Property	Value
Tensile strength [MPa]	48
Modulus of elasticity [GPa]	1.65
Hardness	75
Elongation at break [%]	18

Physical Properties

Property	Value
Density [g/cm ³]	0.93
Colour	White

Wall thickness	0.7
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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.