



Standard Durable, PP-like / Pliable

Alternative Designations

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Key Features

Abrasion-resistant • Impact resistant • High stiffness

Description

This material is known for its durability. This PP-like material can be used to develop parts for various industries, including packaging, aerospace, medical, and automotive. The benefits of using this type of material include its flexibility, strength, and resistance to wear and tear. Additionally, it is easy to work with and can be molded or 3d printed into a variety of shapes and sizes. Another benefit of this pliable material includes its resistance to chemicals and moisture.

Mechanical Properties

Tensile modulus	1344.4 MPa
Tensile strength	33.09 MPa
Elongation at break	12%
Flexural strength	48.2 MPa
Flexural modulus	1.24 GPa
Hardness (Shore D)	92

Thermal Properties

Melting temperature (20°C/min)	164°C
Heat deflection temperature (1.80 MPa)	52°C
Heat deflection temperature (0.45 MPa)	99°C

Physical Properties

Density	0.033 – 0.905 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.