

Data Sheet: EPU 40

(Elastic Polyurethane)

Details

This type of resin is useful for ornaments and mechanical parts. It has high elastic behaviour under both tensile and compressive stress. It has a tensile strength of 10MPa and can elongate up to 310%.

Key Features

Elastic both under tension and compression.

Mechanical Properties

Property	Value
Tensile strength [MPa]	7.7
Modulus of elasticity [GPa]	8
Tear strength [KN/m]	20
Compression Set, 23°C [%]	20
Hardness	68
Elongation at break [%]	250

Other Properties

Property	Value
Density [g/cm ³]	1.025
Dissipation factor	0.03
Dielectric constant	4
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.