



TPV (rubber)

Alternative Designations

Thermoplastic vulcanizate

Key Features

High strength • Durable flexible • Resistant to heat and UV radiations

Description

TPV is a synthetic rubber material that is often used in the automotive and construction industries. It is known for its high strength and durability, making it an ideal material for many applications. TPV is also resistant to heat and UV radiation, making it an ideal choice for outdoor use. Some of the most popular TPV products on the market include tires, hoses, and gaskets.

Mechanical Properties

Tensile modulus	0.9 – 9.4 MPa
Tensile strength	5 – 29.2 MPa
Elongation at break	200 – 750%

Thermal Properties

Melting temperature (20°C/min)	200°C
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Physical Properties

Density	0.89 – 1.04 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.