



Aurora TPU

Aurora TPU (thermoplastic polyurethane), a rubber-like material is a form of TPE (thermoplastic elastomer). The material can be used in applications such as medical technology, healthcare, automotive, sporting goods, and other consumer products.

TPU prints are highly durable, do not absorb water, and are resistant to UV light, oil, grease, and solvents, making them well suited for gaskets, hoses, and tires.

UV
Resistant

TPU
Thermoplastic polyurethane

Water
Low uptake



Technical specifications

PROPERTY	VALUE	UNIT
DENSITY OF FINISHED PARTS	1,10	g/cm ³
DENSITY OF POWDER	0,6	g/cm ³
MELTING POINT	120-150	°C
TENSILE STRENGTH	8	Mpa
ELONGATION AT BREAK	270	%
TENSILE MODULUS	75	MPa
FLEXURAL MODULUS	70	MPa
HARDNESS	89	Shore A

Typical applications

- **Sports & Leisure**
- **Footwear**
- **Transportation Industry**
- **Jigs & Fixtures**

Advantages

- **Good flexibility**
- **Shock absorption**
- **UV resistant**
- **Wear resistant**
- **Hydrolysis resistant**

