



Shore 50A. Highly elastic and tear resistant. Wearables and skin-contact parts. Wearables, skin-contact parts, and high-elongation applications.

STRENGTHS

- + Shore 50A — very soft
- + High elongation at break
- + Good for wearables and skin contact

LIMITATIONS

- Low tear strength
- Difficult to post-process
- Limited structural use

CATEGORY

Flexible & Elastic

TECHNOLOGY

SLA (Stereolithography)

SERVICES

prototyping

INDUSTRIES

Medical & Biotech, Consumer Electronics

AVAILABLE COLORS

- Clear

MECHANICAL PROPERTIES

PROPERTY	VALUE
Tensile Modulus	0.003 GPa
Tensile Strength (UTS)	3.4 MPa
Elongation at Break	160%
Impact Strength (Izod)	100 J/m
Hardness	Shore 55A
Compression Set (23°C)	2.1%
Tear Strength	8.2 kN/m

PHYSICAL PROPERTIES

PROPERTY	VALUE
Density	1.05 g/cm ³
Surface Roughness	3 Ra μm
Heat Deflection (HDT)	42 °C @ 0.45 MPa
Min Layer Height	50 μm
Light Transmission	Opaque
Max Build Dimension	145 mm