



Elastomer 300

Superior High-Elasticity Material

Combining 300% elongation at break and 25kN/m tear strength, it offers exceptional durability and reliability even when handling complex shapes and dynamic loads.

High energy return

Rich lattice options and design freedom

Comparable to TPU Shore 71A

Ideal for flexible, motion-related parts

All data is from Flashforge Materials Lab. Results may vary with different standards, equipment, processes, and conditions.

Test Method		Typical Value
Tensile Properties		
Tensile Modulus	ASTM D412 Die C 500 mm/min	8 MPa
Elongation at Break	ASTM D412 Die C 500 mm/min	300%
Tensile Strength	ASTM D412 Die C 500 mm/min	14 MPa
Other Mechanical Properties		
Tear Strength	ASTM D624 Die C	25 kN/m
General Properties		
Hardness	ASTM D2240	71(instant),Shore A
Liquid Properties		
Liquid Density	–	0.99 g/mL
Viscosity at 25°C	–	8300 cP