

Thermoplastic Polyurethane Elastomer (TPU) - 95A
Material data sheet

Lubrithane U-1003

ASTM: AU

Property	Unit	Value	Standard
Standard colour	–	Black	
Durometer hardness	Shore A	97	ASTM D-2240
Specific gravity	-	1,19	ASTM D-792
Tensile strength	psi (MPa)	6700 (46,2)	ASTM D-412
Elongation at break	%	400	ASTM D-412
100 % modulus	psi (MPa)	2000 (13,8)	ASTM D-412
Compression set			
70 °C / 22 h	%	28	ASTM D-395B
Minimum service temperature	°F (°C)	-13 (-25)	–
- Brittleness Temperature	°F (°C)	<-76 (-60)	-
Maximum service temperature	°F (°C)	+194 (+90)	–
- Short term	°F (°C)	+230 (+110)	–

IMPORTANT NOTE: The values shown above are only valid for material samples prepared for test purposes according to the stated standards. Test values are typical results at specific conditions, with a limited sample size, and are published for general guidance only. Information applies at room temperature unless specified otherwise. Users must determine suitability of the material for their purpose.

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