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

Lubrithane U-1023

ASTM: AU

Property	Unit	Value	Standard
Standard colour	–	navy blue	
Durometer hardness	Shore A	95	ASTM D-2240
Durometer hardness	Shore D	48	ASTM D-2240
Specific gravity	-	1,20	ASTM D-792
Tensile strength	psi (MPa)	5860 (40,4)	ASTM D-412
Elongation at break	%	560	ASTM D-412
100 % modulus	psi (MPa)	2060 (14,2)	ASTM D-412
Compression set			
70 °C / 70 h	%	24	ASTM D-395B
100 °C / 70 h	%	33	ASTM D-395B
Minimum service temperature	°F (°C)	-31 (-35)	–
- Brittleness Temperature	°F (°C)	<-76 (-60)	-
Maximum service temperature	°F (°C)	+230 (+110)	–
- Short term	°F (°C)	+257 (+125)	–

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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