

Technical Information – Neoprene

DESCRIPTION

Polymer Base: Neoprene, EPDM, SBR Blend
 Colour: Black
 Closed cell sponge neoprene

PROPERTIES

	Unit	Test Method	Typical Results
Density	kg/m ³	ASTM D 1056	96 ± 32
	lb/ft ²		6 ± 2
Hardness, Durometer Shore 00		ASTM D 2240	45 ± 5
Compression Deflection (25%)	kPa	ASTM D 1056	24 ± 10
	psi		3.5 ± 1.5
Compression Set (Room Temp)	%		≤ 40%
Tensile Strength	kPa	ASTM D 412 (Die A)	520
	psi		75
Tear Strength	kN/m	ASTM D 624 (Die C)	1.7
	lb/in		9.6
Elongation	%	ASTM D 412 (Die A)	125%
Resilience		ASTM D 2632	35%
Service Temperature			
Low			-40°F (-40°C)
High Continuous	°F (°C)	ASTM D 746	200°F (93.3°C)
High Intermittent			250°F (121.1°C)
Water Absorption			
Maximum Weight Change	%	ASTM D 1056	< 10%
Fluid Immersion (7 days at 23°C [73°F])			
ASTM Ref. Fuel B, Weight Change (%)	%	ASTM D 1056	Not Applicable
Accelerated Aging (7 days at 70°C [158°F])			
Flexibility (180° bend without cracking)		ASTM D 1056	Pass
Appearance change			None
Change in compression deflection	%		± 30%
Combustion Characteristics		Thicknesses	Comments
FMVSS-302		.098" (2.5mm) & higher	Pass
UL 94			
HF-1		.059" (1.5mm) & higher	Listed, UL file # QMFZ2.E55798

ASTM D 1056 designation: 2A1
 SAE J18 APR2002 designation: 2A1
 ASTM D 6576: Type II, Grades A, B & C, Condition Soft
 Additionally UL Listed to: UL 48, UL 50E, and UL 508 (UL file# JMLU2.MH25062)
 EPDM (ethylene-propylene-diene-methylene)
 SBR = styrene-butadiene rubber
 Neoprene = polychloroprene (CR = chloroprene rubber)

Because varied and numerous applications escape our control, this information is only given as indicative title and without any commitment on our part. Also, it is compulsory to carry out tests before hand. A wrong application is not the responsibility of the manufacturer.