

NEOPRENE

3R818

Description

This rubber is made with one or four thicknesses of polyester fabric inserted in a premium quality neoprene. The 3R818 combines the oil and ozone resistance to resistance of the synthetic fabric. It offers exceptional tensile strength.



Applications

- Gaskets for control valves and regulators
- Cold barriers

Specifications

Technical Data

Polymer	Neoprene, Styrene-Butadiene (CR/SBR)
Fabric	Nylon 14 oz.
Color	Black
Specific Gravity	1.58 gr/cc
Hardness (Shore A) (ASTM D2240)	70
Tensile, psi (ASTM D412)	1400 min.
Ultimate Elongation, % (ASTM D412)	250 min.
Temperature	-29°C to 100°C (-20°F to 212°F)
Compression Set (D395B)	22 hrs @ 100C (212F): 35% max.

Heat Aging (ASTM D573)	70 hrs @ 100C (212F) - Changed: Hardness + 15 points max., Tensile -15% max., Elongation -40% max.
Oil Aging #3 (ASTM D471)	70 hrs @ 100C (212F) - Changed: Hardness +/- 10 points max., Tensile: -70% max., Elongation: -55% max., Volume: +120% max.
Abrasion resistance	Good
Tear Resistance	Good
Ozone Resistance	Good
Impermeability to Gases	Good
Resistance to Dilute Acid	Good
Resistance to aromatic hydro-carbons	Good
Heat Aging	Good

N.B. The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.