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NITRILE

3R842

Food Industry

Sealing



Description

Tasteless, odorless and non toxic, this high quality white nitrile rubber is F.D.A. approved and authorized by the food industries. It possesses a very good resistance to oil (petroleum-based hydraulic fluids), temperature, alkalis and acids.

Applications

The 3R842 is used as gaskets such as belts, skirt-boards, and much more, mostly in the food industry.

Specifications

Technical Data

Polymer	Nitrile, Styrene-Butadiene (NBR/SBR)
Specific gravity	1.4 gr/cc
Color	White
Hardness (Shore A) (ASTM D2240)	60
Temperature	-40°C to 93°C (-40°F to 200°F)
Tensile, psi (ASTM D412)	1000 min.
Ultimate Elongation, % (ASTM D412)	300 min.
Compression Set (ASTM D395B)	22 hrs @ 70C (158F): 50% max.

Heat Aging (ASTM D573)	70 hrs @ 100C (212F) - Changed: Hardness: +/- 15 points max., Tensile: +/- 30% max., Elongation: -50% max.
Oil Aging #3 (ASTM D471)	70 hrs @ 100C (212F) - Changed: Volume 60% max.
Abrasion Resistance	Good
Tear Resistance	Fair
Ozone Resistance	Poor
Impermeability to Gases	Excellent
Resistance to Dilute Acid	Good
Resistance to aromatic hydro-carbons	Good
Heat Aging	Very 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.