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EPDM

3R830

Pulp and Paper



Description

3R830 has an excellent resistance to heat, ozone and sunlight. Perfectly suitable in presence of temperature fluctuations, this rubber has a higher level of resistance to water and steam and remains very flexible at low temperatures.

Applications

The 3R830 is often used for boiler gasketing.

Specifications

Technical Data

Polymer	EPDM
Specific gravity	1.2 gr/cc
Color	Black
Hardness (Shore A) (ASTM D2240)	60
Temperature	-40°C to 121°C (-40°F to 250°F)
Tensile strength (ASTM D412)	800psi min.
Ultimate Elongation (ASTM D412)	300% min.
Ozone Resistance (ASTM D1149)	70 hrs, 50 PPHM @ 40C (104F): No cracking
Compression Set (ASTM D395B)	22 hrs @ 70C (158F): 50% max.

Heat Aging (ASTM D573)	70 hrs @ 100C (212F) - Changed: Hardness + 10 points max., Tensile: -25% max., Elongation: -25% max.
Abrasion Resistance	Good to Excellent
Tear Resistance	Fair
Ozone Resistance	Outstanding
Impermeability to Gases	Good
Resistance to Dilute Acid	Excellent
Resistance to aromatic hydro-carbons	Poor
Heat Aging	Excellent

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.