

Gasket Material Information

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NBR for Gasket applications

Gislaved's NBR gasket materials are based on copolymers from butadiene and acrylonitrile monomers. The most important feature of acrylonitrile butadiene copolymers is the polarity achieved from the acrylonitrile content.

The NBR materials are especially developed and tested to enable, not only high temperatures in steam, but also to some extent low temperature duties. In order to secure the best aging and stress relaxation/compression set properties a well-balanced cure system containing the right type of peroxide combined with an efficient activator system has been selected

Resistance to water, steam, mineral oils, petroleum fuel, hydrocarbon solvents, heat transfer oils of hydrocarbon type, paraffinic hydrocarbons, vegetable oils and animals' fats is very good.

For amines, ketones, aldehydes, low molecular esters, salt solutions, organic acids, alkaline, oxidising acids such as hydrochloric acid, nitric acid or sulphuric acid the resistance is poor.

Ozone resistance is critical, and gaskets should be packed in plastic bags.

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