



### NBR

The Nitrile Rubber is a butadiene and acrylonitrile copolymer, polymerized hot or cold, anti stain antioxidant at normal storage conditions. NBR is recommended for applications that require excellent resistance to oils and fuels. It owns chemical resistance to organic substances such as aliphatic oils and non-polar solvents. NITRIFLEX has a wide variety of resistant products against oils and fuels under general and specific applications, such as auto parts and industrial products that can be processed by moulding, extrusion and calendaring. The resistance to fuel, oil and solvent is enlarged by adding the content of acrylonitrile and the resiliency and flexibility at low temperature enhances with the decrease of the content of the acrylonitrile rate.

**Table**

Types	Polymerization	Acrylonitrile Content (%)	Mooney Viscosity, MML 1+4 @ 100°C	Characteristics and Applications
N-726	Cold	28	60	Ideal for good performance applications at low temperature and moderate oil resistance. E.g.: fuel hose cover, gaskets, diaphragms, printing rolls.
N-612 B	Cold	33	27	Excellent for applications produced by transfer and injection due to excellent flow, good oil resistance, easier processing, and good dispersion. E.g.: diaphragms, o-rings, gaskets, sealants.
N-615 B	Cold	33	48	General use for technical artifacts that require good resistance to oil and grease, good processing. E.g.: printing blankets, flexible containers, sheets, conveyor belts, transmission belts, sealing rings, sealers, gaskets, footwear, extended artifacts.
N-608	Cold	33	80	Good oil resistance, having good properties of deformation by compression and mechanical properties, ideal for extruded artifacts. E.g.: rolls, printing rolls, hose tubes and cover stocks, profiles, calendared sheet for die cut gaskets, coated fabrics and mould goods.
N-6011	Cold	33	115	Excellent for extrusion, low swelling, high traction resistance, great deformation under compression. E.g.: printing rolls with low hardness, gaskets, blankets, rice dehusking roller, friction materials.
N-300	Cold	39	56	Indicated for applications that elevated resistance against oils and fuels, excellent mechanical properties E.g.: hoses, o-rings, gaskets and conveyor belts.
N-206	Cold	45	63	Excellent resistance against oils and fuels, good mechanical properties, low permeability to gas, elevated resistance against water swelling. E.g.: hoses, o-rings, gaskets, conveyor belts.
N-8	Hot	30	80	Designed for calendaring and extrusion. Excellent surface finishing, low shrinkage, low swelling. E.g.: hoses, conveyor belts, adhesives, profiles.
N-7	Hot	30	94	Excellent dynamic 's applications performance. E.g.: hose tube, covers, belts, friction materials, rice dehusking roller.
N-5	Hot	39	86	Excellent resistance against oil and fuels, good mechanical properties. E.g.: cement, adhesives, mortar, safety footwear, friction materials.

### Packaging

NBR rubbers are commercialized in 33 kg bales, wrapped with polyethylene film, packed in carton boxes totaling approximately 1.200 kg.