

NBR diet

Nitrile-butadiene-rubber

Standard colour: white

- Food-compliant NBR; approval acc. FDA, recommended for approval acc. EU1935/2004
- Resistant to mineral oil, HFC and cold water
- Applicable for Rod and Piston Seals, Wiper Seals, Rotary Seals and Static Seals

Properties	Value	Unit	DIN Standard
Hardness	88 ± 5	Shore A	DIN 53505
Density	1,34	g/cm ³	DIN EN ISO 1183-1
Compression set 23°C/72h	29,4	%	DIN ISO 815-1
Compression set 70°C/24h	20,6	%	DIN ISO 815-1
Compression set 100°C/24h	23,2	%	DIN ISO 815-1
Elongation at break	387	%	DIN 53504
Tensile strength	7,6	MPa	DIN 53504
100% modulus	3,9	MPa	DIN 53504
Rebound resilience	21	%	DIN 53512
Abrasion	130	mm ³	DIN 53516
Tear strength	5,7	N/mm	DIN 53515
min. service temperature	-30	°C	
max. service temperature	+105	°C	

Confirmation according FDA

Hereby we, M. Wilhelmsen A/S, confirm, that all single components used for our compound named «NBR diet» are listed on Code of Federal Regulation of U.S. Food and Drug Administration (FDA), Rockville MD. They are mentioned under following subchapters: **21CFR 177.2600**

Confirmation according EU1935/2004

The confirmation according FDA mentioned above provides an approval according EU1935/2004. Due to unavoidable technical factors or due to the form of delivery of the elastomeric pre-materials traces of non-specified impurities could be included. A compulsory test should be applied to the final product.

Allowed for contact with foods. Not permitted for medical articles (implants).