

# NBR 70 / 80-02-70082

70 ShA / peroxide crosslinked / FDA / blue

- Acrylonitrile butadiene rubber
- Copolymer of butadiene and acrylonitrile
- Standard material, FDA compliant, metal detectable.
- Good mechanical properties.
- High abrasion resistance, good temperature resistance.
- Very good resistance to mineral oils, fuels and lubricants.

Property	Value	Unit	DIN Standard
Hardness	70 ±5	Shore A	DIN ISO 7619-1
Density	1,45	mg/m <sup>3</sup>	ISO 2781
Tensile strength at 100% elongation	3,5	N/mm <sup>2</sup>	DIN 53504
Elongation at break	242	%	DIN 53504
Tensile strength	9,0	N/mm <sup>2</sup>	DIN 53504
Compression set 70°C/22h	7	%	DIN ISO 815-1 B
Rebound resilience	–	%	DIN ISO 53512
Tear resistance	22	N/mm	DIN ISO 34-2
min. operating temperature	-35	°C	constantly
max. operating temperature	+120	°C	constantly

## FDA confirmation

We hereby confirm that the above quality, contains only ingredients that are certified according to the regulations of American Food

and Drug Administration (FDA) are approved:

Code of Federal Regulations, section 177.2600 a-d "Rubber articles for repeated use"

(In accordance with the requirements mentioned in the previous paragraph, the products must be thoroughly cleaned before use).

## Confirmation according to EU/1935/2004

With FDA 177.2600 A-D the compliance with the EU/1935/2004 regulation was proven.

Due to technically unavoidable conditions or delivery forms of the raw materials, the elastomer compound may contain traces of substances not listed in these recommendations and guidelines. In any case, the prescribed tests must be carried out on the finished part.

All above stated data result from random tests which were taken from the ongoing production. All data were established based on standard test-specimen according to ISO, DIN and ASTM standards and can basically not be carried over to the construction element.

Our applied technical advice, either oral, written or through tests is given according to our best knowledge. However, this information is to be considered as non-obligatory instruction, also in terms of any protective rights of a third party, and does not exempt you from testing our product in reference to its suitability for the intended process and purpose. Utilisation, application and processing of the products occur entirely outside of our control and are therefore exclusively your responsibility. However, should a case of liability come into question, it will be limited to all damages in the value of the product which we delivered and you used. By all means, we do warrant the impeccable quality of our products in accordance with our general sales and delivery conditions.