

## DATASHEET

DATASHEET		Date: 11-12-2020 Version: 2.0
CH No.	<b>CH1075-19002 NBR75</b>	
Basic elastomer	Nitrile rubber (NBR)	
Colour	Blue	
Temperature range*	-30°C to 100°C	
Approvals	21 CFR FDA § 177.2600 • EC 1935/2004	

\* The temperature ranges are valid for application in air. Values will differ if used in other media.

TYPICAL PROPERTIES			
Properties	Unit	Value	Testing methods
Hardness	Shore A	75 ±5	ASTM D 2240
Tensile strength	MPa	12.1	ASTM D 412
Ultimate elongation	%	403	ASTM D 412
Gravity	g/cm <sup>3</sup>	1.28	ASTM D 297
Compression set 22 hours at 200°C	%	20	ASTM D 395 B
Low temp. resistance TR10	°C	-30	ASTM D 1329

CHANGES IN PROPERTIES AFTER AGEING							
Medium	Testing method	Time hour	Temp. °C	Hardness Points	Tensile strength %	Ultimate elongation %	Volume %
Air	ASTM D 573	70	100	+5	-4	-31	-
IRM oil 901	ASTM D 471	70	100	+3	+12	-23	-6
IRM oil 903	ASTM D 471	70	100	-5	+15	-22	+9

### General:

NBR rubber is above all effective against oils, especially hydraulic oils, lubricants, petrol and other aliphatic hydrocarbons, diluted acids and alkalis.

Good physical characteristics such as abrasion resistance and collapse resistance and a wide temperature range guarantee.

Wide application for this type of rubber.

### Please Note:

The mentioned values are average values and result from a limited number of laboratory tests. These tests were performed on standard test specimens and may therefore vary significantly from the values that were determined by means of tests performed on finished parts. On the basis of his own tests, the purchaser must ensure that the product is suitable for the intended application purpose. Our recommendations are provided according to the best of our knowledge. However, they are not binding and exclude any form of liability for any kind of damage.