

DATASHEET

DATASHEET		Date: 11-3-2020 Version: 1.0
CH No.	CH1080-13105 NBR80	
Basic elastomer	Nitrile rubber (NBR)	
Colour	Blue	
Temperature range	-30°C to 100°C	
Approvals	FDA • EC 1935/2004	

TYPICAL PROPERTIES				
Properties	Unit	Specification	Value	Testing methods
Hardness	Shore A	80 ±5	80	ASTM D 2240
Tensile strength	MPa	≥ 14	15	ASTM D 412 C
Ultimate elongation	%	≥ 125	218	ASTM D 412 C
Modulus 100%	MPa	≥ 4	5.2	ASTM D 412 C
Tear resistance	N/mm	≥ 25	37.2	ASTM D 624 C
Gravity	g/cm ³	1.41 ±0.03	1.39	ISO 2781-2008
Compression set 22 hours at 100°C	%	≤ 50	12	ASTM D 395 B

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.