

DATASHEET

DATASHEET		Date 11.08.2017
CH No.	CH334075B	
Basic elastomere	Nitrile Rubber (NBR)	
Colour	Blue – RAL5005	
Temperature range	From -35 °C to +100 °C	
License/Remarks	RoHS (2002/95), VHU (2000/53), SVHC Free, Phthalate Free.	
Approvals	FDA positive list, EC 1935/2004	

TYPICAL PROPERTIES			
Properties	Unit	Value	Testing methods
Hardness	IRHD	83	ASTM D1415
Tensile strength	MPa	7.64	ASTM D412/C
Ultimate elongation	%	430	ASTM D412/C
Compression set (22 h / 100 °C)	%	18.6	ASTM D395/B
100 % Modulus	MPa	5.10	ASTM D412
Specific gravity	g/cm ³	1.579	ASTM D1817
Tear strength	N/mm	32.8	ASTM D624/B

AGEING							
<u>MEDIA</u>	Temperature °C	Duration h.	Traction%	Elongation%	Hardness Pts.	Volume%	Weight%
Air	100 °C	70 h	6	-23	0	-1,3	

Composition							
<u>Element</u>	Component	Symbol	Avg %	Mini %	Maxi %	SVHC	GADSL
Elastomer	Zinc oxide	ZnO	2,2			No	D/P
Elastomer	Tetramethylthiuramdisulfide	TMTD	1,02			No	D

NITRILE RUBBER (NBR)

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.