

## DATASHEET

DATASHEET		Date: 07.02.2020 Version: 3.0
CH No.	<b>MDS CH33466</b>	
Basic elastomer	Fluorinated rubber (FKM)	
Colour	Black	
Temperature range	From -15°C to +250°C	
Approvals	RoHS (UE/2015/53) • VHU (2000/53) • SVHC Free • Phthalate Free • FDA CFR 21.177.2600 • USP VI • 3A • EU 1935/2004 approved • ADI • BNIC • EU2023/2006	

TYPICAL PROPERTIES				
Properties	Unit	Required	Value	Testing methods
Hardness	Shore A	80±5	76.8	ASTM D 2240
Tensile strength	MPa	-	12.6	ASTM D 412C
Specific gravity	g/cm <sup>3</sup>	-	1.995	ASTM D1817
Maximum elongation	%	-	175	ASTM D 412C
Compression set in air 22 hours at 200°C	%	-	15	ASTM D395B

AGEING IN AIR 70 HOURS AT 250°C				
Test:	Unit	Required	Value	Testing methods
Traction	%	-	-7	-
Maximum Elongation	%	-	3	-
Harshness	Shore A	-	3	-
Volume	%	-	-4.5	-

AGEING ASTM 101 70 HOURS AT 200°C				
Test:	Unit	Required	Value	Testing methods
Traction	%	-	-19	-
Maximum Elongation	%	-	22	-
Harshness	Shore A	-	-8	-
Volume	%	-	12.2	-

AGEING ASTM 7700 70 HOURS AT 200°C				
Test:	Unit	Required	Value	Testing methods
Traction	%	-	-19	-
Maximum Elongation	%	-	5	-
Harshness	Shore A	-	-11	-
Volume	%	-	17.1	-

**AGEING FUEL C 70 HOURS AT 23°C**

Test:	Unit	Required	Value	Testing methods
Traction	%	-	-16	-
Maximum Elongation	%	-	6	-
Harness	Shore A	-	-2	-
Volume	%	-	3.8	-

**COMPOSITION**

Element	Component	Symbol	Avg %	Mini %	Maxi %	SVHC	GADSL
Elastomer	Quartz	-	18.9	-	-	No	D

**General:**

Outstanding resistance to mineral oils, aliphatic and aromatic hydrocarbons, as well as chlorinated hydrocarbons, concentrated and diluted acids, also weak alkalis. Excellent resistance to high temperatures and good mechanical attributes and an exceptionally good ageing resistance puts FKM rubber on a higher level compared to other synthetic rubbers.

**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.