

DATASHEET

DATASHEET		Date: 07.02.2020
		Version: 7.0
CH No.	MDS CH334137	
Basic elastomer	Ethylene propylene diene rubber (EPDM) Peroxyde	
Colour	Black	
Temperature range	From -50 °C to +135 °C	
Approvals	RoHS (UE/2015/53) • VHU (2000/53) • SVHC Free • Phthalate Free • ACS • CLP • FDA CFR 21.177.2600 • EN681 1 • USP VI • 3A • EU 1935/2004 approved • LABS-free • ADI • UBA	

TYPICAL PROPERTIES				
Properties	Unit	Required	Value	Testing methods
Hardness	IRHD	70±5	72	ASTM D 2240
Tensile strength	MPa	-	12.92	ASTM D 412C
Specific gravity	g/cm ³	-	1.138	ASTM D1817
Maximum elongation	%	-	176	ASTM D 412C
Compression set in air 22 hours at 130°C	%	-	11.8	ASTM D395B
Tear strength	N/mm	-	38.3	ASTM D 624
Glass transition temp.	°C	-	-31,6	-

AGEING IN AIR 70 HOURS AT 150°C				
Test:	Unit	Required	Value	Testing methods
Traction	%	-	-7	-
Maximum Elongation	%	-	1	-
Harness	IRHD	-	1	-
Volume	%	-	-0.7	-

COMPOSITION							
Element	Component	Symbol	Avg %	Mini %	Maxi %	SVHC	GADSL
Elastomer	Zinc oxide	ZnO	2,7	-	-	No	D/P

General:

Use of this rubber is indicated when good hot water and steam resistance is required. EPDM is also very resistant to ageing and ozone.

Compared with the usual types of synthetic rubber, it has good resistance to hot temperatures. Very good behavior in the presence of oxidizing agents.

EPDM is not resistant against aliphatic and aromatic hydrocarbons and mineral oil products

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.