

## DATASHEET

DATASHEET		Date: 11-3-2020 Version: 1.0
CH No.	<b>CH1275-19001 EPDM75</b>	
Basic elastomer	EPDM Peroxide	
Colour	Black	
Temperature range*	-40°C to 125°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	13.6	ASTM D 412
Ultimate elongation	%	231	ASTM D 412
Tear resistance	kN/m	55	ASTM D 624 C
Compression set 22 hours at 125°C	%	45	ASTM D 395 B
Gravity	g/cm <sup>3</sup>	1.15	ASTM D 297

CHANGES IN PROPERTIES AFTER AGEING							
Medium	Testing method	Time hour	Temp. °C	Hardness Points	Tensile strength %	Ultimate elongation %	Volume %
Air	ASTM D 573	70	125	+4	+13	-25	-
Water	ASTM D 471	70	100	-	-	-	+1

### General:

EPDM is often used in hot water steam applications as well as in fire resistant fluids where synthetic oils are used. EPDM materials are also used in bases, acids and alcohols. EPDM is also used for brake fluids, but we recommend to observe local safety-regulations before installing an EPDM seal in breaking systems. EPDM is not resistant to mineral-vegetable- and animal oils.

### 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.