

# FEPM 90 / 80-05-V9001

90 ShA / peroxide crosslinked / black

- Tetrafluoroethylene propylene rubber
- Copolymer of tetrafluoroethylene and propylene with approx. 54% fluorine
- Standard material
- Exceptional resistance to a wide range of media and chemicals, hot water, steam, acids, alkalis, ammonia, gases, oils, amines, motor oils and oxidising media.

Property	Value	Unit	DIN Standard
Hardness	90 ±3	Shore A	DIN ISO 7619-1
Density	1,64	g/cm <sup>3</sup>	DIN EN ISO 1183-1
Tensile strength at 100% elongation	6,0	N/mm <sup>2</sup>	DIN 53504
Elongation at break	252	%	DIN 53504
Tensile strength	8,8	N/mm <sup>2</sup>	DIN 53504
Compression set 175°C/24h	62,4	%	DIN ISO 815-1 B
Rebound resilience	7	%	DIN ISO 53512
Tear resistance	6,1	N/mm	DIN ISO 34-1 A
min. operating temperature	-5	°C	static
min. operating temperature	-0	°C	dynamic
max. operating temperature	+220	°C	constantly
max. operating temperature short	+280	°C	couple of hours

All above stated data result from random tests which were taken from the ongoing production. All data were established based on standard test-specimen according to ISO, DIN and ASTM standards and can basically not be carried over to the construction element.

Our applied technical advice, either oral, written or through tests is given according to our best knowledge. However, this information is to be considered as non-obligatory instruction, also in terms of any protective rights of a third party, and does not exempt you from testing our product in reference to its suitability for the intended process and purpose. Utilisation, application and processing of the products occur entirely outside of our control and are therefore exclusively your responsibility. However, should a case of liability come into question, it will be limited to all damages in the value of the product which we delivered and you used. By all means, we do warrant the impeccable quality of our products in accordance with our general sales and delivery conditions.