

FPM 90 / 80-01-90006

90 ShA / peroxide crosslinked / black

- Fluorinated rubber
- VITON Type GF (approx. 66% fluorine)
- Specification low temperature
- Very good temperature resistance, high chemical resistance.
- Excellent resistance to ozone, ageing and weathering.

Property	Value	Unit	DIN Standard
Hardness	90 ±5	Shore A	DIN ISO 7619-1
Density	1,80 ±0,02	g/cm ³	DIN EN ISO 1183-1 A
Tensile strength at 100% elongation	23,12	N/mm ²	DIN 53504
Elongation at break	≥ 70	%	DIN 53504
Tensile strength	≥ 13	N/mm ²	DIN 53504
Compression set 150°C/24h	max. 16	%	DIN ISO 815
Cold behaviour DSC	ca. -30	°C	VDA 675116
Rebound resilience	15	%	DIN ISO 53512
Tear resistance	3,8	N/mm	DIN ISO 34-1 A
Tear resistance	15,7	N/mm	DIN ISO 34-1 B
min. operating temperature	-30	°C	constantly
min. operating temperature	-35	°C	static in the cold
max. operating temperature	+190	°C	constantly
max. operating temperature short	+220	°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.

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