

# NBR 45 / 80-02-45001

45 ShA / sulphur crosslinked / black

- Acrylonitrile butadiene rubber
- Copolymer of butadiene and acrylonitrile
- Electrically conductive.
- Good mechanical properties.
- High abrasion resistance, good temperature resistance.
- Very good resistance to mineral oils, fuels and lubricants.

Property	Value	Unit	DIN Standard
Hardness	45 ±5	Shore A	DIN ISO 7619-1
Density	1,11	g/cm <sup>3</sup>	DIN EN ISO 1183-1 A
Tensile strength at 100% elongation	–	N/mm <sup>2</sup>	DIN 53504
Elongation at break	547	%	DIN 53504
Tensile strength	11,6	N/mm <sup>2</sup>	DIN 53504
Compression set 70°C/24h	11,8	%	DIN ISO 815-1 B
Rebound resilience	34	%	DIN ISO 53512
Tear resistance	7,7	N/mm	DIN ISO 34-1 A
Tear resistance	13,4	N/mm	DIN ISO 34-1 B
min. operating temperature	-40	°C	constantly
max. operating temperature	+100	°C	constantly
max. operating temperature short	+130	°C	couple of hours
Electrically conductive	≤ 10 <sup>4</sup>	Ω x cm	

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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