

NBR 50 / 80-02-50005

50 ShA / sulphur crosslinked / black

- Acrylonitrile butadiene rubber
- Copolymer of butadiene and acrylonitrile
- Standard material, DVGW DIN EN 549.
- Good mechanical properties.
- High abrasion resistance, good temperature resistance.
- Very good resistance to mineral oils, fuels and lubricants.

Property	Value	Unit	DIN Standard
Hardness	50 +5	Shore A	DIN ISO 7619-1
Density	1,13 ±0,03	g/cm ³	DIN EN ISO 1183-1
Tensile strength at 100% elongation	--	N/mm ²	DIN 53504
Elongation at break	≥ 125	%	DIN 53504
Tensile strength	≥ 7,0	N/mm ²	DIN 53504
Compression set 70°C/24h	≤ 25	%	DIN ISO 815-1 B
Compression set 100°C/168h	≤ 40	%	DIN ISO 815-1 B
Rebound resilience	50	%	DIN ISO 53512
Tear resistance	4,7	N/mm	DIN ISO 34-1 A
Tear resistance	10,0	N/mm	DIN ISO 34-1 B
max. operating temperature	-20	°C	constantly
max. operating temperature	+80	°C	constantly
Specification	DVGW-DIN EN 549		
Temperature class	B2		
Hardness range class	H2 ozone resistant		

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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