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Technical data sheet

Rev. 10/2025

NBR 85 ShA black

Acrylnitrile-butadiene-rubber, black

Properties	Value	Unit	DIN Standard
Hardness	85±5	Shore A	DIN ISO 7619-1
Density	1,32	g/cm ³	DIN EN ISO 1183-1
100% Modulus	8,2	Mpa	DIN 53504
Elongation at break	220	%	DIN 53504
Tensile strength	14,7	Mpa	DIN 53504
Compression set 23°C/70h	6,8	%	DIN ISO 815-1
Compression set 70°C/22h	6,5	%	DIN ISO 815-1
Rebound resilience	27	%	DIN ISO 4662:2017
Tear strength	8,7	kN/m	DIN ISO 34-1 A
Abrasion resistance	85	mm ³	DIN ISO 4649 B
Min. Service temperature	-30	°C	
Max. Service temperature	+110	°C	

Advantages and stability:

- **General-purpose NBR compound**, suitable for a wide range of sealing applications where durability and consistent performance are required.
- **Good resistance** to mineral oils, HFC fluids, and cold water, providing reliable operation under standard industrial and hydraulic conditions.
- Applicable for rod and piston seals, wiper seals, rotary seals, and static sealing elements.

All data provided above are based on random samples taken from our ongoing production. The results were determined using standard test specimens in accordance with ISO, DIN, and ASTM methods. These results cannot be directly applied to specific finished components. Any technical information or advice we provide—whether verbal, written, or based on testing—is given to the best of our knowledge. Nevertheless, this information should be regarded as non-binding guidance and does not release the user from the obligation to verify the suitability of our products for their intended process or application. Possible third-party property rights must also be observed. Since the use, application, and processing of our products take place beyond our control, they remain solely the responsibility of the user. In any case where liability may arise, it shall be limited to damages not exceeding the value of the product supplied and used. We do, however, guarantee the flawless quality of our products in accordance with our general terms and conditions of sale and delivery.

