Material
50 NBR NB501801

Version	Released on
04	22.07.2025

General Data

Colour:	Black
Type of cross-linking:	Sulfur

Physical Properties	**Nominal Range**	**Typical Value**	
Density CNS 5341-96	1.25 ±0.02	1.26	g/cm³
Hardness ASTM D2240-15, Shore A	50 ±5	52	Shore
Modulus 100 %, ASTM D412-16		2.0	MPa
Tensile strength ASTM D412-16	> 10.0	12.0	MPa
Elongation at break ASTM D412-16	> 350	365	%
Compression set ASTM D395-18, B, 22 h, 100 °C, button	< 25	14	%
Low temperature resistance ASTM D 2137-11 A, 3 min, pass		-40	°C
Low temperature ASTM D1329-16, TR10		-42	°F

This data sheet supersedes all previous versions. The content is subject to change without prior notice. The given values are based on a limited number of tests on standard test pieces (2mm sheets) produced in the laboratory. The data from finished parts can deviate from above values depending on the manufacturing process and the component geometry. The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. All questions regarding the guarantee of this product are in line with our terms and conditions, inasmuch as statutory provisions do not plan for something else.

Print date: 23.06.2026

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Regulatory Material Information for 50 NBR NB501801

This overview reflects the current available conformity documents for this specific material only, applicable at the date of issue identified below, to the best of our knowledge. It is for information purposes only and does not replace the Declarations of Conformity (DoC) or other article or product-based assessments. The DoC are available upon request under the conditions, limitations, and validity periods specified therein.

Overview Material related documents:	**Release Date**	**Expiration Date**
ROHS and ELV	25.06.2025	25.06.2030

Issue Date: 23.06.2026

It is valid until the mentioned expiry dates or other legal changes become effective.

Disclaimer:

This declaration supersedes all previous versions. The content is subject to change without prior notice.

These declarations are based on our technical state of the art level of knowledge and the regulations applicable on the date of issuance. Recommendations for use or any other descriptions or technical characteristics do not constitute any kind of warranty or guarantee (within the meaning of §§ 434, 435, 443, 444 or 633, 639 of the German Civil Code (BGB)), whether express or implied, or of any fitness or suitability for a particular purpose. It is the user's sole responsibility to determine whether the provided information is appropriate and complete for its purposes and the intended use.

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