

Material name, short description	NR/SBR
Material name, based on technical standards	Natural rubber/Styrene-butadiene
Material description / intended use	Elastomer with good mechanical properties.
Color	white
Compound code	NR/SBR 45.303-01

Mechanical properties

Hardness nominal	45 ±5 Shore A DIN ISO 7619 1-2
Density nominal	1.28 ±0.03 g/cm ³ DIN EN ISO 1183 1-2
Tensile strength	12 N/mm ² DIN 53504-S2
Elongation at break	550 % DIN 53504-S2
Compression set	35 % DIN ISO 815 22 h, 70 °C

Thermal properties

Operating temperature min. static*	-45 °C
Operating temperature min. dynamic*	-30 °C
Operating temperature max. short term*	90 °C

* Approximate value, dependent on the application

Air aging 1

Test parameter	70 h, 70 °C
Test standard	DIN 53508
Value change	Hardness: +5 Points Tensile strength: -10 % Elongation at break: -15 %

Approvals / Compliance

Food & Beverage	FDA CFR 21 - 177.2600 "Rubber articles intended for repeated use" a -e) BfR XXI Chapter 2.1.2, Category 1 EC No. 1935/2004 incl. last amendments EC No. 2023/2006 "Good Manufacturing Practices, GMP"
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Risiken erkennen – Gesundheit schützen



EC No.1935:2004

In compliance with **RoHS** and **REACH** directives.

This information is based on our available data. These values are measured on standard test specimens and are within the normal tolerance range of material properties and do not represent guaranteed property values. Therefore they shall not be used for specification purposes. The customer is solely responsible for quality and suitability of material for his application. He has to test usage and processing prior to use. Angst+Pfister makes no guarantees for the suitability of the material for any given application and assumes no obligation or liability in connection with the information provided above.