NBR 60.303-01

Angst+Pfister

Sealing technology
Technical Data Sheet

Material name, short description	NBR
Material name, based on technical standards	Acrylic-Butadiene-Rubber
Material description / intended use	Elastomer with good resistance to mineral and vegetable oils/greases, alkalis, alcohols, gas, water
Color	white
Compound code	NBR 60.303-01
Crosslinking/curing agent	Sulfur
Remarks	ACN content 33 %

Mechanical properties

Hardness nominal	60 ±5 Shore A ISO 7619
Density nominal	1.29 g/cm³ ISO 1183-1
Tensile strength	11 N/mm² ISO 37-Typ 2
Elongation at break	500 % ISO 37-Typ 2
Compression set	35 % DIN ISO 815 22 h, 100 °C

Thermal properties

Operating temperature min.*	-30 °C
Operating temperature max.*	80 °C
Operating temperature max. short term*	100 °C

** Approximate value, dependent on the application*

Storage in medium 1

Medium	IRM 903 Oil (ASTM 3)
Test parameter	70 h, 100 °C
Test standard	ISO 1817
Value change	Hardness: 15 Shore A Volume: 20 %

Air aging 1

Test parameter	70 h, 100 °C
Test standard	ISO 188
Value change	Hardness: 5 Shore A Tensile strength: 20 % Elongation at break: 25 %

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.

Approvals / Compliance

Food & Beverage	FDA CFR 21 - 177.2600 "Rubber articles intended for repeated use" a) - f)
	BfR XXI category 2
	EC No. 1935/2004 based on BfR and FDA
Specific substance statements	PAH category 3b (AfPS GS 2019:01)

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