

Material name, short description	NR
Material name, based on technical standards	Natural rubber
Material description / intended use	Elastomer with good mechanical properties.
Color	black
Compound code	NR 60.01-02
Crosslinking/curing agent	Sulfur

Mechanical properties

Hardness nominal	60 ±5 Shore A ASTM D 2240
Density nominal	1.12 ±0.05 g/cm ³
Tensile strength	20 N/mm ² ISO 37
Elongation at break	500 % ISO 37
Compression set	30 % ISO 815-1 22 h, 70 °C
Tear resistance	80 N/mm ISO 34-1
Abrasion	90 mm ³ ISO 4649

Air aging 1

Test parameter	70 h, 70 °C
Test standard	ASTM D 573
Value change	Hardness: 5 Shore A Tensile strength: -10 % Elongation at break: -20 %

Thermal properties

Operating temperature min.*	-50 °C
Operating temperature max.*	85 °C

* Approximate value, dependent on the application

Ozone test

Ozone concentration	50 ppm
Test standard	ISO 1431-1
Duration of test	168 h
Temperature during test	30 °C
Elongation during test	20 %
Test result	PASSED

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.