

Material name, short description	NR
Material name, based on technical standards	Natural rubber
Material description / intended use	Elastomer with good mechanical properties.
Color	natural (beige)
Compound code	NR 40.75-01

Mechanical properties

Hardness nominal	40 ±5 Shore A ISO 7619
Density nominal	0.98 ±0.03 g/cm ³ DIN ISO 2781
Tensile strength	20 N/mm ² ISO 37-1
Elongation at break	26 % ISO 37-1
Tear resistance	240 N/mm ISO 34 C

Thermal properties

Operating temperature min.*	-35 °C
Operating temperature max.*	70 °C

* Approximate value, dependent on the application

Storage in medium 1

Medium	Water
Test parameter	72 h, 50 °C
Test standard	ISO 1817
Value change	Hardness: -3 Points Volume: +3 %

Air aging 1

Test parameter	72 h, 70 °C
Test standard	ISO 188
Value change	Hardness: +3 Points Tensile strength: -40 % Elongation at break: -40 %

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.