# NBR 70.45-11



Sealing Technology Technical Data Sheet

### General compound description

Material name, short description Material name, based on technical standards Compound Code Old, but still valid compound code Material description / intended use

Color

Remarks

## Mechanical properties

| Density               | 1.29 g/cm³ ± 0.03<br>ASTM D 1817   |
|-----------------------|------------------------------------|
| Hardness              | 70 Shore A ± 5<br>ASTM D 2240      |
| Tensile strength      | 17.4 MPa<br>ASTM D 412 Die C       |
| Elongation at rupture | 422 %<br>ASTM D 412 Die C          |
| Compression set       | 9 %<br>ASTM D 395-B<br>22 h, 100°C |
| Tear resistance       | 66 N/mm<br>ASTM D 412 Die C        |

### NBR Acrylic-Butadiene-Rubber NBR 70.45-11 NBR 70.45-01; NBR 70.45-03; NBR 70.445-01; NBR 70.445-04

Elastomer with a good resistance against mineral and vegetable oils and greases, alkalis, alcohols, gas, water, glycollics and saline solutions.

black

ASTM D2000 M2 BG714 B14 EO14 EO34 EF11 EF21 EA14

#### Thermal properties

| Min. operating temperature | -40 °C |
|----------------------------|--------|
| Max. operating temperature | 100 °C |

#### 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.