

General compound description

Material name, short description	NBR
Material name, based on technical standards	Acrylic-Butadiene-Rubber
Compound Code	NBR 70.502-02
Material description / intended use	Elastomer with a good resistance against mineral and vegetable oils and greases, alkalis, alcohols, gas, water, glycollics and saline solutions.
Color	black
Remarks	Low temperature compound

Mechanical properties

Density	1.251 g/cm ³ ± 0.03 ASTM D 1817
Hardness	70 Shore A ± 5 ASTM 2240
Tensile strength	13.4 MPa ASTM D 412-C
Elongation at rupture	263 % ASTM D 412-C
Modulus 100 %	4.9 MPa ASTM D 412-C

Thermal properties

Min. operating temperature	-50 °C
Max. operating temperature	100 °C
Glass transition temperature	-61 °C DIN 53765