

NBR 70.45-11

Sealing Technology Technical Data Sheet

General compound description

Material name, short description	NBR
Material name, based on technical standards	Acrylic-Butadiene-Rubber
Compound Code	NBR 70.45-11
Old, but still valid compound code	NBR 70.45-01; NBR 70.45-03; NBR 70.445-01; NBR 70.445-04
Material description / intended use	Elastomer with a good resistance against mineral and vegetable oils and greases, alkalis, alcohols, gas, water, glycolics and saline solutions.
Color	black
Remarks	ASTM D2000 M2 BG714 B14 EO14 EO34 EF11 EF21 EA14

Mechanical properties

Density	1.29 g/cm ³ ± 0.03 ASTM D 1817
Hardness	70 Shore A ± 5 ASTM D 2240
Tensile strength	17.4 MPa ASTM D 412 Die C
Elongation at rupture	422 % ASTM D 412 Die C
Compression set	9 % ASTM D 395-B 22 h, 100°C
Tear resistance	66 N/mm ASTM D 412 Die C

Thermal properties

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