

HNBR 70.502-03

Sealing Technology Technical Data Sheet

General compound description

Material name, short description	HNBR
Material name, based on technical standards	Hydrogenated acrylonitrile butadien rubber
Additive	ACN content 36±3%
Compound Code	HNBR 70.502-03
Material description / intended use	Elastomer with good resistance against ozone, weathering, aging, hot water and various oils.
Crosslinking agent	sulfur
Color	black

Mechanical properties

Hardness	70 Shore A ± 5 ASTM D 2240
Tensile strength	16 MPa ASTM D 412-C
Elongation at break	447 % ASTM D 412-C
Modulus 100 %	3.8 MPa ASTM D 412-C
Compression set	40 % ASTM D 395-B 22 h, 150 °C
Tear resistance	55 N/mm ASTM D 624-C

Thermal properties

Min. operating temperature	-40 °C
Max. operating temperature	+150 °C
Note to operating temperature	approximate value, dependent of the application
Glass transition temperature	-40.5 °C

Proof of PAH and Phtalate of this compound

PAH Category 2 (AfPS GS 2019:01)