

Material name, short description	HNBR
Material name, based on technical standards	Hydrogenated acrylonitrile butadien rubber
Material description / intended use	Elastomer with good resistance against ozone, weathering, aging, hot water and various oils.
Color	black
Compound code	HNBR 70.309-01
Remarks	ACN content 37.5%

Mechanical properties

Hardness nominal	70 \pm 5 Shore A ASTM D 2240
Density nominal	1.2 \pm 0.02 g/cm ³ ASTM D 297
Tensile strength	18 N/mm ² ASTM D 412
Elongation at break	2 % ASTM D 412
Compression set	50 % ASTM D 395 70 h, 150 °C
Tear resistance	50 kN/m ASTM D 624-B

Thermal properties

Operating temperature min.*	-30 °C
Operating temperature max.*	150 °C

* Approximate value, dependent on the application

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.