

## Material Data Sheet

# UTECRUBBER-N White

## General Information

UTECRUBBER-N White is an acrylonitrile-butadiene rubber commonly known as NBR, Nitrile or BUNA. It has good mechanical properties and chemical resistance to mineral oils and greases, HFA, HFB and HFC fire resistant pressure fluids. NBR is one of the most widely used elastomers in the sealing industry. UTECRUBBER-N White is approved for the use of applications in contact with foodstuff.

## Physical properties

Colour:			White
Hardness at 20°:	DIN 53505	Shore A	85 +/-5
Density:	DIN 53479	g/cm <sup>3</sup>	1.62
100% Modulus:	DIN 53504	N/mm <sup>2</sup>	> 5
Tensile strength:	DIN 53504	N/mm <sup>2</sup>	> 8
Elongation at break:	DIN 53504	%	> 300
Tear strength:	DIN 53515	N/mm <sup>2</sup>	> 20
Abrasion:	DIN 53516	mm <sup>3</sup>	< 90
Compression set: (100°C, 22 hours)	DIN 53517	%	< 30
Min. service temperature:		°C	-30
Max. service temperature:		°C	+100

### Remark

All test methods and values mentioned above are corresponding to ASTM or DIN standards and have been tested on standardized plates in the laboratory. All tests are made under laboratory conditions.