

Abil® N

Description and applications

Abil® N is based on NBR-bound cellulose fibres.
The sealing material has good dimensional stability.

Abil® N is mainly used to seal against hot and cold oils, greases, fuels and coolants with corrosion protection and anti-freeze additives. Typical application areas are the control casing, transmission, valve covers, oil sumps, hydraulic and pneumatic systems, chemical devices, pumps and compressors.



1. General product information

Colour	dark grey
Max. temperature	120 °C in permanent operation (brief periods at 150 °C)
Max. pressure	10 bar

2. Technical data

2.1 General properties

Measured variable	Value	Value	Test standard
Thickness	≤ 0.5 mm	> 0.5 mm	
Density	0.7 – 1.0 g/cm ³	0.7 – 1.0 g/cm ³	DIN 53 105 Tl. 1
Ignition loss	≥ 97 %	≥ 97 %	DIN 52911
Compressibility	22.5 % ± 2.5	27.5 % ± 7.5	ASTM F36 G
Recovery	≥ 30 %	≥ 30 %	ASTM F36 G
Tensile strength, transverse	≥ 15 N/mm ²	≥ 12 N/mm ²	DIN 52910
Pressure resistance (50 N/mm², 16 h/100 °C)	≥ 45 N/mm ²	≥ 40 N/mm ²	DIN 52913

2.2 Media resistance

Medium	Property	Variation from initial value after 5h
ASTM oil no. 3 (at 150 °C)	Thickness increase	≤ 5 %
	Weight increase	≤ 55 %
ASTM fuel B (at 23 ± 2 °C)	Thickness increase	≤ 5 %
	Weight increase	≤ 55 %

3. Delivery form

Abil® N can be supplied as rolled goods (large rolls) or as a ready-to-install seal.

Item no.	Dimensions in mm		
	Thickness	Width	Length
415.105	0,25	1016	250.000
415.202	0,5	1016	125.000
415.301	0,75	1016	75.000
415.407	1,0	1016	75.000
415.504	1,5	1016	50.000