

Abil® N – Gasket material, based on cellulose fibers with NBR binder



Description

Abil® N is a gasket material based on cellulose fibers with NBR binder, with good dimensional stability.

Technical data

Thickness	≤ 0.5 mm	> 0.5 mm
Density DIN 53 105 TL 1	0.7 – 1.0 g/cm ³	0.7 – 1.0 g/cm ³
Ignition loss DIN 52911	≥ 97%	≥ 97%
Compressibility ASTM F36 G	22.5% ± 2.5	27.5% ± 7.5
Recovery ASTM F36 G	≥ 30%	≥ 30%
Tensile strength, cross grain, DIN 52910	≥ 15 N/mm ²	≥ 12 N/mm ²
Stress relaxation (50 N/mm ² , 16h/100°C)	≥ 45 N/mm ²	≥ 40 N/mm ²
Media resistance		
ASTM oil no. 3 (5h/150°C)		
Thickness increase	≤ 5%	≤ 5%
Weight increase	≤ 55%	≤ 55%
ASTM fuel B (5h/23 ± 2°C)		
Thickness increase	≤ 5%	≤ 5%
Weight increase	≤ 55%	≤ 55%
Water – glycol (1:1, 5h Rf)		
Thickness increase	≤ 40%	≤ 40%
Weight increase	≤ 120%	≤ 120%

Elring Gasket Material Abil® N



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Application

Abil® N is primarily used as sealing against cold and hot oils, greases, fuels and coolants with corrosion inhibitors and antifrost additives. Typical applications are housing covers, gearboxes, valve covers, oil pans, hydraulic and pneumatic equipment, chemical apparatus, pumps and compressors.

Color	dark gray
Max. temperature	120°C when in constant operation (150 °C for brief periods)
Max. pressure	10 bar

Form of supply

Abil® N is available as finished gasket according to drawing, as sheet material (small or large rolls).



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