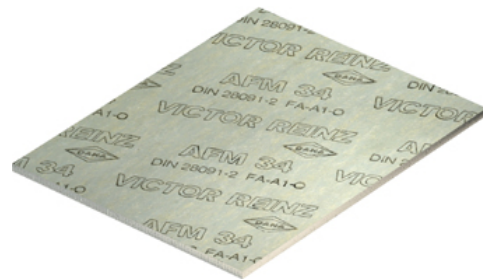


VICTOR REINZ

AFM 34



Material

It is composed of aramide fibres, inorganic fillers and other asbestos substitutes which are resistant to high temperatures. These are firmly bonded to high-grade elastomers under elevated pressure and temperature to achieve exceptionally high gas sealability.

Properties

AFM 34 does not contain any physiologically harmful substances or colour pigments. AFM 34 exhibits high tensile strength plus stress and shearing resistance. The material is ideally suited for sealing gases and fluids, e.g. oils, solvents, fuels, Freons, liquid gases, water/antifreeze mixtures, saline solutions and many other media. It is also suitable for sealing hot water and steam up to approx. 200 °C in stationary applications and with an installation surface pressure of at least 50 N/mm². Please consult us if you have a specific application. Other characteristic properties of the material are excellent temperature resistance, stress resistance under high operating pressure, and ease of handling.

Application

- for sealing engine, hydraulic, transmission, refrigerating oils and other hydrocarbons
- for sealing air, mixtures of water and antifreeze & corrosion inhibitors
- for sealed joints with low sealing pressure or uneven sealing surfaces, e.g. for covers, housings, valve covers, oil pans
- for components that are subject to high mechanical stress, yet require a relatively "soft" gasket.

Technical Data

Density	g/cm ³	1.8 - 2.0
Ignition Loss DIN 52911	%	< 34
Tensile Strength ASTM F 152 (across grain)	N/mm ²	> 18
Tensile Strength DIN 52910 (across grain)	N/mm ²	> 12
Residual Stress DIN 52913 (16h / 300 C)	N/mm ²	25
Residual Stress DIN 52913 (16h / 175 C)	N/mm ²	36
Compressibility ASTM F 36 J	%	5 - 8
Recovery ASTM F 36 J	%	> 55
Sealability against nitrogen DIN 3535/6	mg/(s*m)	0.02
Thickness Increase ASTM F 146 (oil IRM 903: 5 h/150 C)	%	< 7
Weight Increase ASTM F 146 (oil IRM 903: 5 h/150 C)	%	< 7
Thickness Increase ASTM F 146 (fuel B: 5 h/23 C)	%	< 10
Weight Increase ASTM F 146 (fuel B: 5 h/23 C)	%	< 10
Thickness Increase ASTM F 146 (water / antifreeze 50:50 5h/100 C)	%	< 10
Weight Increase ASTM F 146 (water / antifreeze 50:50 5h/100 C)	%	< 10
Short Term Peak Temperature	C	400
Maximum Continuous Temperature	C	250
Maximum Continuous Pressure	bar	150
Typical values for	mm	2

Form of Delivery

Gaskets according to a drawing, dimensions supplied, or other arrangement.

Sheets Size x (Standart Size) x Thickness

1500 x 1500 x 0.30 mm
1500 x 1500 x 0.50 mm
1500 x 1500 x 0.75 mm
1500 x 1500 x 1.00 mm
1500 x 1500 x 1.50 mm
1500 x 1500 x 2.00 mm
1500 x 1500 x 3.00 mm
1500 x 1500 x 4.00 mm
1500 x 1500 x 5.00 mm