



## AFM 37/8

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### AFM 37/8

#### Technical Data Sheet 37/8

Edition: 08/2015, supersedes all prior editions.

Please see the latest issue at [www.reinz-industrial.com](http://www.reinz-industrial.com)

<b>Material</b>	<b>REINZ- AFM 37/8</b> is an asbestos- free gasket material. It consists of aramide fibers and other asbestos substitutes that are resistant to high temperatures and are processed with high- grade elastomers under elevated pressure and temperature.
<b>Properties</b>	<b>REINZ- AFM 37/8</b> is a very economical gasket material. It exhibits good thermal/ mechanical strength, is highly conformable, and is suitable for sealing oils and other liquids.
<b>Application</b>	For sealed joints that are subjected to low or medium mechanical stress.
<b>Surfaces</b>	As standard, both sides of <b>AFM 37/8</b> are coated with a non- stick, high- friction layer that greatly facilitates disassembly. In most cases, additional surface treatment is unnecessary.



**AFM 37 8**

**Technical Data**  
(nominal thickness  
2.00 mm)

<b>Density</b>	g/ cm <sup>3</sup>	1.7 - 1.9
<b>Ignition loss</b> acc. to DIN 52 911	%	< 38
<b>Tensile strength</b> acc. to ASTM F 152, across grain acc. to DIN 52 910, across grain	N/ mm <sup>2</sup> N/ mm <sup>2</sup>	> 7 > 5
<b>Residual stress</b> acc. to DIN 52 913 16 h, 175 °C	N/ mm <sup>2</sup>	≈ 25
<b>Compressibility and recovery</b> acc. to ASTM F 36, procedure J compressibility recovery	% %	8 - 15 > 50
<b>Sealability</b> against nitrogen acc. to DIN 3535, Part 6 FA	mg/ (s·m)	< 0.1
<b>Swelling</b> acc. to ASTM F 146		
<b>in Oil IRM 903</b> (replaces ASTM Oil No. 3) 5 h, 150 °C		
increase in thickness	%	< 10
increase in weight	%	< 15
<b>in ASTM Fuel B</b> 5 h, room temp.		
increase in thickness	%	< 10
increase in weight	%	< 15
<b>in water / antifreeze (50:50)</b> 5 h, 100 °C		
increase in thickness	%	< 10
increase in weight	%	< 15
Short- term <b>peak temperature</b>	°C	300
Maximum <b>continuous temperature</b>	°C	200
Maximum <b>operating pressure</b>	bar	60



**Max. continuous temperature and max. pressure must not occur simultaneously, please refer to the table entitled "Max. operating pressures at various temperatures and with various media"**



The data quoted above are valid for the material "as delivered" without any additional treatment. In view of the countless possible installation and operating conditions, definitive conclusions cannot be drawn for all applications regarding the behaviour in a sealed joint. Therefore, we do not give any warranty for technical data, as they do not represent assured characteristics. If you have any doubt, please contact us and specify the exact operating conditions.

**AFM 37 8**

**Form of delivery**                      **Gaskets**                      according to a drawing, dimensions supplied, or other arrangement.

**Sheets**                                      1500 x 1500 mm (standard size)

**Nominal thicknesses and tolerances** acc. to DIN 28091-1 (mm)  
Dimensional limits within a shipment

<b>0.50</b>	±0.10
<b>0.75</b>	±0.10
<b>1.00</b>	±0.10
<b>1.50</b>	±0.15
<b>2.00</b>	±0.20
<b>3.00</b>	±0.30

Max. thickness variation in a sheet:

0.1 mm for sheet thickness ≤1.00 mm, and 0.2 mm for thickness >1.00 mm