



**VICTOR REINZ™**

## **AFM 26**

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#### **Technical Data Sheet 126 (previously TDS 122)**

Edition: 08/2015, supersedes all prior editions.

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

#### **Material**

**AFM 26** consists of a tanged and galvanized steel core. An asbestos-free soft material compound containing aramide fibers, inorganic fillers and high-grade binder elastomers is applied to both sides of the core.

#### **Properties**

In spite of the metal reinforcement that gives the material the required mechanical strength plus good stress resistance, AFM 26 exhibits excellent compressibility and recovery. Consequently, AFM 26 conforms very well to sealing surfaces, and compensates even major surface irregularities.

The moderately priced material is resistant to oils and fuels, etc. 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/mm<sup>2</sup>. In such cases, AFM 26 outperforms conventional fiber gaskets.

Compared with graphite gaskets, the material is easy to assemble and handle. Please consult us if you have a specific application.

#### **Application**

- for sealed joints that are subjected to high mechanical stress, e.g. intake manifolds, cast iron oil pans, valve covers, transmission flanges and high-pressure pumps
- for irregular sealing faces and/ or lightweight components with low pressure and relatively high thermal stress
- for sealing hot water and steam in pipeline flanges up to outer diameters of 500 mm.

#### **Surfaces**

For special applications, full- surface or partial coatings are available, e.g. a non-stick coating on a PTFE basis (also possible on materials in roll form) or a silicone-based coating that improves micro-sealing (only available as a finished gasket). Screen printing with various elastomers is also possible.



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## AFM 26

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

**Weight per surface unit**

kg/ m<sup>2</sup>

3.50

**Residual stress** acc. to DIN 52 913

16 h, 300 °C

N/ mm<sup>2</sup>

> 38

16 h, 175 °C

N/ mm<sup>2</sup>

> 45

**Compressibility and recovery**

acc. to ASTM F 36, procedure J

compressibility

%

9 - 17

recovery

%

> 55

**Swelling** acc. to ASTM F 146

**in IRM 903 Oil** (replaces ASTM Oil No. 3)

5 h, 150 °C

increase in thickness

%

< 10

**in water / antifreeze** (50:50)

5 h, 100 °C

increase in thickness

%

< 7

Short- term **peak temperature**

°C

400

Maximum **continuous temperature**

°C

300

for steam up to

°C

200

**Operating pressure** maximum

bar

250

**Surface pressure**

maximum at 300 °C

N/ mm<sup>2</sup>

75



**Max. continuous temperature and max. pressure must not occur simultaneously.**



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.



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## AFM 26

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

**Weight per surface unit**

kg/ m<sup>2</sup> 5.4

**Tensile strength** acc. to DIN 52 910  
with grain  
across grain

N/ mm<sup>2</sup> ≈ 50  
N/ mm<sup>2</sup> ≈ 50

**Residual stress** acc. to DIN 52 913  
16 h, 300 °C  
16 h, 175 °C

N/ mm<sup>2</sup> > 35  
N/ mm<sup>2</sup> > 40

**Compressibility and recovery**  
acc. to ASTM F 36, procedure J  
compressibility  
recovery

% 9 - 17  
% > 50

**Swelling** acc. to ASTM F 146

**in IRM 903 Oil** (replaces ASTM Oil No. 3)  
5 h, 150 °C  
increase in thickness

% < 10

**in water / antifreeze (50:50)**  
5 h, 100 °C  
increase in thickness

% < 7

Short- term **peak temperature**

°C 400

Maximum **continuous temperature**  
for steam up to

°C 275  
°C 200

**Operating pressure** maximum

bar 200

**Surface pressure**  
maximum at 300 °C

N/ mm<sup>2</sup> 60



**Max. continuous temperature and max. pressure must not occur simultaneously.**



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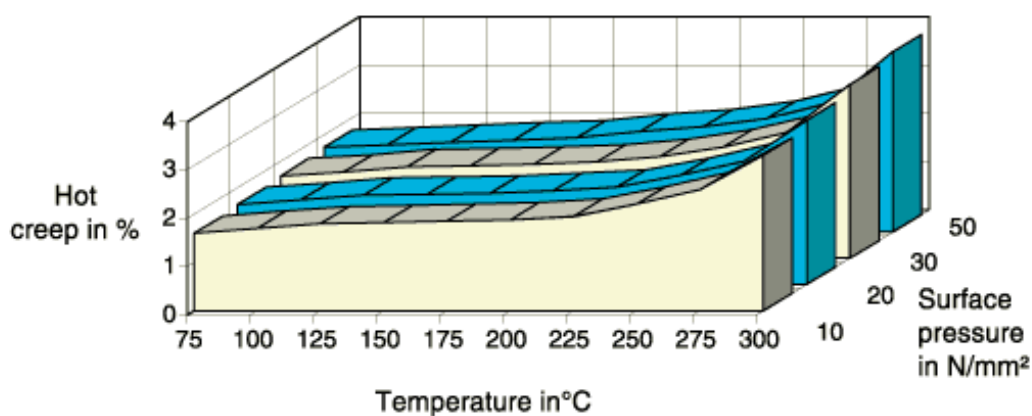


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### Hot creep acc. to RPM 510-3-D

**Material: AFM 26 1.50 mm**



#### **Form of delivery**

##### **Gaskets**

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

##### **Rolls**

500 mm wide  
Other forms of delivery by arrangement

##### **Nominal thickness**

##### **Tolerance (mm)**

##### **Roll length (m)**

<b>0.75</b>	<b>±0.10</b>	<b>280</b>
<b>1.00</b>	<b>±0.10</b>	<b>210</b>
<b>1.25</b>	<b>±0.10</b>	<b>170</b>
<b>1.50</b>	<b>±0.10</b>	<b>140</b>
<b>2.00</b>	<b>±0.10</b>	<b>100</b>