



**VICTOR REINZ®**

Sealing Products



#### THE CHALLENGE

One thing is the same for all gas meters: safety is top priority. Even when sealing face bridges are narrow, all flat gaskets must remain permanently tight to gas and comply with all necessary approvals:

- **DIN-DVGW** (DIN 3535-6: flat gasket materials based on synthetic fibers [...] for gas fittings, gas devices, and gas pipes).
- **VP 401** (gaskets with high thermal resistance for screw fittings and flanges used in connection with gas meters and pressure-regulation devices)

#### THE SOLUTION: VICTOR REINZ AFM 30

Handle gas safely with AFM 30, a proven highquality gasket material for flat gaskets. It exhibits very good pressure resistance, adaptability, and high mechanical/thermal strength. Approved for **all levels of VP 401**. In the event of fire (650 °C, 30 min.), the safety relay will provide an extra margin of security.

What kind of challenge do you face?  
Give us a call!



+49 731-7046-777

Case Study No. 4:

With Integrated Safety Reserve –  
AFM 30 Flat Gaskets for Gas Meter  
Connections



		AFM 30
<b>Technical Data<sup>1)</sup></b> (nominal thickness 2.00 mm)		
<b>Tensile strength</b> (across grain)	ASTM F 152	> 12 N/mm <sup>2</sup>
<b>Residual stress</b> 16 h, 300 °C 16 h, 175 °C	DIN 52913	~ 25 N/mm <sup>2</sup> ~ 36 N/mm <sup>2</sup>
<b>Compressibility and Recovery</b> Compressibility Recovery	ASTM F 36 J	7-15 % > 50 %
<b>Sealability</b>	DIN 3535-6 FA	~ 0.05 mg/(s·m)
<b>Swelling</b>  - in oil <b>IRM 903</b> , 5 h, 150 °C Increase in thickness Increase in weight  - in <b>ASTM Fuel B</b> , 5 h, RT Increase in thickness Increase in weight  - in <b>water/antifreeze (50:50)</b> , 5 h, 100 °C Increase in thickness Increase in weight	ASTM F 146	  < 10 % < 10 %  < 10 % < 10 %  < 5 % < 10 %
<b>Continuous temperature, maximum<sup>2)</sup></b>		250 °C
<b>Operating pressure, maximum<sup>2)</sup></b>		125 bar

<b>Form of delivery</b>		
<b>Gaskets</b> according to drawing, dimensional specifications, or other agreements		
<b>Sheets</b> (standard format)		1500 x 1500 mm
<b>Nominal thickness</b>		0.30 to 5.00 mm
<b>Tolerances</b>		according to DIN 28091-1

<b>Approvals</b>	
DIN-DVGW	
VP401 (HTB), BAM	
Germanischer Lloyd	

**Note:**

Refer to data sheet No. 330 or visit our website at [www.reinz-industrial.com/datasheet](http://www.reinz-industrial.com/datasheet) for more detailed information.

<sup>1)</sup> The preceding technical data applies to the material in its delivery condition without additional treatment or handling.  
<sup>2)</sup> Maximum continuous pressure and maximum pressure may not occur simultaneously.

**Power Technologies Group**

REINZ-Dichtungs-GmbH

Reinzstrasse 3-7

89233 Neu-Ulm

Germany

T. +49 731 7046-777

F. +49 731 7046-399

[www.reinz-industrial.com](http://www.reinz-industrial.com)



**VICTOR REINZ®**

Sealing Products