

**VICTOR REINZ®***Sealing Products*

# AFM 80

Best fit.

Perfect seal.

Safe.

**AFM 80** inimitably unites key aspects of gasket technology in a single material: adaptability, gas-tightness and strength.

It boasts excellent mechanical/thermal resistance yet is soft and adaptable at the same time. AFM 80 achieves exceptional sealing results and adapts to the component surfaces even at low surface pressures – even under heavy loads from pressure, vibration or narrow sealing webs.

This makes gaskets made of AFM 80 the perfect problem-solver for tough sealing tasks, such as natural gas and hydrogen applications, use in cooling and air compressors, heat exchangers, gas meters, transmissions, pumps, fittings and more.





		AFM 80
<b>Technical Data<sup>1)</sup></b> (Nominal thickness 2.00 mm)		
<b>Tensile strength</b> across grain	ASTM F 152	> 11 N/mm <sup>2</sup>
<b>Residual stress</b> 16 h, 175 °C	DIN 52913	~ 33 N/mm <sup>2</sup>
<b>Compressibility and recovery</b> Compressibility Recovery	ASTM F 36 J	11-18 % > 55 %
<b>Sealability</b> against nitrogen	DIN 3535-6 FA	~ 0.005 mg/(s·m)
<b>Swelling</b> - in Oil IRM 903, 5 h, 150 °C Increase in thickness Increase in weight - in ASTM Fuel B, 5 h, RT Increase in thickness Increase in weight - in water/antifreeze (50:50), 5 h, 100 °C Increase in thickness Increase in weight	ASTM F 146	 < 10 % < 15 %  < 10 % < 10 %  < 10 % < 15 %
<b>Maximum continuous temperature<sup>2)</sup></b>		250 °C
<b>Maximum operating pressure<sup>2)</sup></b>		120 bar
<b>Form of delivery</b>		
<b>Gaskets</b> according to drawing, dimensions given or other agreement		
<b>Sheets</b> (standard size)		1500 x 1500 mm
<b>Nominal thicknesses</b>		0.50 to 3.00 mm
<b>Tolerances</b>		acc. to DIN 28091-1
<b>Approvals</b>		
DIN-DVGW DIN 30653 (HTB) applied for		

**Note:** More detailed information can be found in our datasheet on AFM 80 at [Reinz-Industrial.com/datasheet](https://Reinz-Industrial.com/datasheet)

<sup>1)</sup> The data quoted above are valid for the material «as delivered» without any additional treatment.  
<sup>2)</sup> Maximum continuous temperature and maximum pressure must not occur simultaneously.

**Power Technologies**  
 REINZ-Dichtungs-GmbH  
 Reinzstrasse 3-7  
 89233 Neu-Ulm  
 Germany



**+49 (0)731-7046-777**

**Reinz-Industrial.com**  
[reinz.industrie@dana.com](mailto:reinz.industrie@dana.com)



**VICTOR REINZ®**

Sealing Products