



VICTOR REINZ®

Sealing Products



THE CHALLENGE

Permanent media contact with alternating temperature and pressure. For example: liquid and gas-phase chlorine with a temperature range of -34 to +105 °C and pressure as high as 20 bar. This calls for safe and durable sealing for flanges that have either a raised face or a tongue-and-groove combination.

THE SOLUTION: VICTOR REINZ AFM 34

The sealing material with a high safety factor – AFM 34. It is actually more than 1000 times leak-proof than required by the clean-air directive TA-Luft. This material is ideal for sealing not only volatile organic compounds, but a variety of other materials as well. AFM 34 is highly chemical resistant and exhibits outstanding mechanical strength, making it an excellent solution even when long-term sealing is required. Don't take any chances.

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



+49 731-7046-777

Case Study No. 3:
Install and Forget –
AFM 34 Flange Gaskets for Pipe Flanges.



		AFM 34
Technical Data¹⁾ (nominal thickness 2.00 mm)		
Tensile strength (across grain)	ASTM F 152	> 18 N/mm ²
Residual stress 16 h, 300 °C 16 h, 175 °C	DIN 52913	~ 25 N/mm ² ~ 36 N/mm ²
Compressibility and Recovery Compressibility Recovery	ASTM F 36 J	5-8 % > 55 %
Sealability DIN 3535-6 FA according to TA-Luft (VDI 2440/2200) Q=30 MPa, T=200 °C (2000 h!), ΔpHE=1 bar		~ 0.02 mg/(s·m) 8.6·10 ⁻⁸ mbar·l/(s·m)
Swelling - 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	< 7 % < 7 % < 10 % < 10 % < 10 % < 10 %
Continuous temperature, maximum²⁾		250 °C
Operating pressure, maximum²⁾		150 bar

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

Approvals	
DIN-DVGW, SVGW, ÖVGW	
FDA-compliant (21 CFR § 177.2600)	
KTW, WRAS	
VP401 (HTB), Firesafe, BAM	
Grade X	
TA-Luft	
Germanischer Lloyd	

Note:

Refer to data sheet No. 334 or visit our website at www.reinz-industrial.com/datasheet for more detailed information.

¹⁾ The preceding technical data applies to the material in its delivery condition without additional treatment or handling.

²⁾ Maximum continuous temperature and maximum pressure may not occur simultaneously.

Power Technologies Group

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