

AFM 34 CO ME®.

Blow-out resistant gasket with optimised inner eyelet.



WS 3133 IB

DESCRIPTION

The basis for the gasket is the established gasket material AFM 34® by REINZ. This design is equipped with a novel innovative coating [CO] to optimise surface fit and is manufactured in a combination of a metallic surround [ME] made from 0.10mm thick stainless steel 1.4571 and a special flanging process. As a result the blow-out resistant non-metallic gasket made from AFM 34 CO ME® is characterised with a significantly improved micro fit and leakage rate, offers maximum gas tightness even at low surface pressure and complies therefore to even the highest, legal requirements. Guidelines such as the VDI 2290 require for TA Luft relevant media stricter leakage rates which cannot be achieved with standard hemmed gaskets. Therefore, our AFM 34 CO ME® is the ideal gasket to adhere to the emission limit values in the system "flange-gasket-bolt" also in consideration of the tightness class as per VDI 2290 based on TA Luft.

PROPERTIES

- Use of the established gasket material AFM 34®
- Highest gas tightness even at low surface pressure
- Ideal conditions when calculating flange connections as per DIN EN 1591-1 to adhere to tightness class as per VDI 2290
- Low force absorption of the inner eyelet [optimised surface pressure distribution]
- Blow-out resistant even in the event of extreme pressure surges
- High chemical resistance [resistance chart available upon request]
- Improved micro adjustment and leakage rates

- Temperature range from -50 °C up to approx. 150 °C [200 °C possible upon prior consultation]
- Complies with TA Luft 2002 [VDI 2440/2200] leakage requirements
- Scratch resistant, sturdy surface, easy to handle

APPLICATIONS

- Non-metallic gaskets for flanges
- Used in the chemical and petrochemical sector
- Used in the natural gas sector to secure higher liquid and gas pressures
- Used if there are increased requirements for blow-out resistance [technical tightness] as per e.g. TRBS 2152 T.2

PRODUCT RANGE

Technical delivery conditions as per DIN 28091

- Non-metallic gaskets
 - Dimensions: as per DIN EN 1514-1 and DIN EN 12560-1 or ASME B 16.21
 - Non-standard dimensions

Additionally: [IDT Profile Overview](#) | [FD Series](#)



AFM 34 CO ME

DIN 28091-2 FA-A1-0

CTO

DIN 280

AFM 34

DIN 28091-2 FA-A1-0






REINZ

AFM 34

DIN 28091-2 FA-A1-0

V PIE

AFM 34 CO ME[®] & UNISEAL[®].

Product designation	Non-metallic gasket, AFM 34 CO ME [®]	Non-metallic gasket with/without inner eyelet, UNISEAL [®]
Product name	WS 3133 IB	WS 3400
Product image		
Profile No.	FD10 	FD01  FD10 
Features	<p>Sealing system with optimised inner eyelet [1.4571] complies with TA Luft and VDI 2290¹, has high pressure stability, high tensile, pressure and shear strength and very high gas tightness.</p> <p>Scratch resistant, sturdy surface, easy to handle, easy to dismantle, blow-out resistant sealing system. Resistant against a large number of chemicals, does not present a health risk, FDA-conform.</p>	<p>The sealing system complies with TA Luft and has high pressure stability, high tensile, pressure and shear strength and very high gas tightness. High blow-out resistance for design with optimised inner eyelet [FD10].</p> <p>Scratch resistant, sturdy surface, easy to handle, easy to dismantle, resistant against a large number of chemicals, does not present a health risk, FDA-conform.</p>
OPERATIONAL DATA		
Pressure	Max. 100 bar	Max. 70 bar ² Max. 100 bar ²
Temperature	-50 °C to 200 °C ³ [continuous use: max. 150 °C]	-50 °C to 200 °C ³ [continuous use: max. 150 °C]
APPROVALS		
TA Luft 2002 [VDI 2440/2200]	X	X
BAM oxygen		X
BAM EO/PO [Ethylene-/Propylene oxide]		
DVGW [DIN 3535-6]	X	X
KTW-guideline		X
Fire Safe Test		X
FDA		X
EG 1935/2004		X
Blow-out resistance		X
Germanischer Lloyd	X	X
Features	VP 401, HTB	HTB, ÖVGW, SVGW, VP 401, WRAS, W270

¹ Complies with VDI 2290 only in combination with a leakage certificate as per EN 1591-1

² Max. pressure and max. temperature should not occur at the same time | ³ upward 150°C please consult the manufacturer