

Gasket materials

AFM[®] 37 | FS 30031

Material: AFM[®] 37 | FS 30031 is an asbestos free gasket material. It contains aramid-fibers and other high-temperature resistant asbestos-substitutes, which are processed under high pressure and temperature with high-quality elastomers.

Properties: AFM[®] 37 | FS 30031 is a favorable gasket material. It exhibits good sealing properties with gas and liquids while offering good flexibility. AFM[®] also has very good high-temperature resistance.

Application: AFM[®] 37 | FS 30031 is used for machine and apparatus engineering, shipbuilding industry, transformers, flanging in chemical plants, compressors, pumps and housings.

Surface: AFM[®] 37 | FS 30031 is equipped with an release liner (TD2) on both sides with a high friction value, so an extra surface treatment wouldn't be necessary in most cases.

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Properties	Norm	Uni	Value
Nominal thickness	-	mm	2,0
Density	-	g/cm ³	1,9 – 2,1
Ignition loss	DIN 52 911	%	<25
Tensile strength crosswise crosswise	following ASTM F 152 following DIN 52 910	N/mm ² N/mm ²	>8 >6
Pressure stability 16 h, 300°C 16 h, 175°C	DIN 52 913	N/mm ² N/mm ²	≈22 ≈32
Compression	ASTM F 36	%	7 – 15
Springback	ASTM F 36	%	>50
Sealing properties nitrogen	DIN 3535, part 6 FA	mg/(s*m)	<0,1
swelling In oil IRM 903 (5 h, 150°C) thickness weight	ASTM F 146	% %	<10 <15
In ASTN Fuel B (5 h, RT) thickness weight	ASTM F 146	% %	<10 <10
In Water / antifreezeagent (50:50) (5 h, 100°C) thickness weight	ASTM F 146	% %	<5 <10
Peak temperature short	-	°C	400
Max. operating temperature	-	°C	250
Max. pressure	-	bar	100

Max. operating temperature and pressure must not occur at the same time

Cool heading value ϵ_{KSW}	DIN 28091-2	%	7 – 12
Cold recovery value ϵ_{KRW}	DIN 28091-2	%	4 – 8
Hot setting value $\epsilon_{WSW/T}$	DIN 28091-2	%	13 – 15
Hot recovery value $\epsilon_{WRW/T}$	DIN 28091-2	%	≈ 0,65
Recovery value R	DIN 28091-2	mm	≈ 0,012
Spec. Leaking rate λ	DIN 28091-2	mg/s·m	<0,1
Remaining surface pressure after 100 h (air, 100°C)	DIN 28091-2	%	>50

Dr. Dietrich Müller GmbH

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Trademarkinformation: AFM[®] is a registered trademark of company REINZ-Dichtungs-GmbH.

Please note:

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.

Dr. Dietrich Müller GmbH