Dr. Dietrich Müller GmbH
Zeppelinring 18
D-26197 Ahlhorn

Tel.: +49 (0) 44 35 - 97 10 10
Fax: +49 (0) 44 35 - 97 10 11
Info@mueller-ahlhorn.com

Gasket materials

AFM® 30 | FS 30070

Material:

AFM® 30 | FS 30070 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® 30 | FS 30070 offers flexibility and securely seals gases and liquids while exhibiting good mechanical and thermal strength. AFM® 30 |FS 30070 can be applied as standard quality for average operational reliability.

Application:

AFM® 30 | FS 30070 is used to seal oils and other liquids in applications which require high-pressure resistant materials.

Surface:

AFM® 30 | FS 30070 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/cm³	1,75 – 1,95
Ignition loss	DIN 52 911	%	<36
Tensile strength crosswise crosswise	 following ASTM F 152 following DIN 52 910	 N/mm² N/mm²	 >12 >9
Pressure stability 16 h, 300°C 16 h, 175°C	DIN 52 913	 N/mm² N/mm²	 ≈25 ≈36
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 <10
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 – 15
Cold recovery value ε_{KRW}	DIN 28091-2	%	4 – 8
Hot setting value $\varepsilon_{WSW/T}$	DIN 28091-2	%	11 – 14
Hot recovery value $\varepsilon_{WRW/T}$	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

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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.