Precision components
made of flexible and rigid materials

Gaskets Materials

Flexseal® A-NBR FS 30248

Description:	Flexseal® A-NBR FS 30248 is a fibrous material based on aramid fibers with NBR binder. The material is RoHS compliant, LABS-free, and features excellent resistance to hot water, steam, oils, hydrocarbons, and many other chemicals. Flexseal® A-NBR FS 30248 complies with the standard DIN EN 45545-2 (02/2016 and 10/2020) R22/R23/R24 HL2 for thicknesses 1.0 to 4.0 mm, for 5.0 mm R22/R23/R24 HL3.
Uses:	Flexseal® A-NBR FS 30248 is used as squeak and rattle protection as well as a flange seal. It has DVGW approval and is suitable for various industrial applications
Availability:	Flexseal A-NBR FS 30248 can be supplied as a blank or die-cut part. Other forms of delivery on request.
Storage:	Flexseal® A-NBR FS 30248 should be stored at room temperature in dry rooms.

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info@mueller-ahlhorn.com | www.mueller-ahlhorn.com | Seat of the company: Ahlhorn
Managing Director: Dr. Michael Müller | AG Oldenburg: HRB 209026 | Vat. ID-No.: DE 295969093
Tax No.: 68/207/07677 | Certified according to ISO 9001:2015 and ISO 14001:2015
UL recognised repacker E341377

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Properties	Test method	Unit	Value
Material structure	-	-	Aramid fibers with NBR binder
Chemical resistance	-	-	Hot water, steam, oils, hydrocarbons and much more
Compressibility	ASTM F 36 J	%	7
Springback	ASTM F 36 A	%	50
Compressive Resistance at 50 MPa, 16 h/300°C	DIN 52913	Mpa	20
Tightness	DIN 3535/6	mg/(sm)	<0.1
Anti-corrosion tendency	-	Ppm	150
Thickness swelling at IRM 903: 5 h/150°C	ASTM F 146	%	2
Thickness swelling at Fuel B: 5 h/23°C	ASTM F 146	%	5
Density	-	g/cm³	1,7
Thermal conductivity	-	W/mK	0,40-0,42
Medium dielectric strength	-	kV/mm	24
Medium surface resistance	-	Ω	3.6x10E10
Medium spec. Contact resistance	-	Ωcm	1.4x10E10
Mean dielectric dissipation factor at 1 kHz, approx. 3 mm thickness	-	tan δ	0,147
Mean dielectric number at 1 kHz, approx. 3 mm thickness	-	εr	9,7
Fire protection requirement (1-4 mm)	EN 45545-2	-	R22/23/R24 HL2
Fire protection requirement (5 mm)	EN 45545-2	-	R22/23/R24 HL3

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Trademark Information: Flexseal® is a registered trademark of Dr. Dietrich Müller GmbH, Germany.

Please note: The information in this technical data sheet is based on our current knowledge and experience. Due to the wide range of possible influences during application, it does not exempt the processor and user from carrying out their own tests and trials. A legally binding guarantee of certain properties or suitability for a specific application cannot be derived from our information. Depending on the individual case, we recommend consulting us. The recipient of our products is responsible for observing any industrial property rights and existing laws.

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