

Gaskets materials

Flexseal® FFKM FS 30242

Beschreibung: Flexseal® FFKM FS 30242 has excellent chemical corrosion resistance and is resistant to organic acids, inorganic acids, alkalis, esters, ethers, ketones, aldehydes, etc. Flexseal® FFKM FS 30242 has excellent heat resistance and hot air ageing properties. It is suitable for environments with high temperatures, such as semiconductor processes. Flexseal® FFKM FS 30242 has a maximum working temperature of 350°C. Flexseal® FFKM FS 30242 is not suitable for steam and hot amine environments.

Applications: Flexseal® FFKM FS 30242 is mainly used for the production of sealing parts such as O-rings, washers, flanges, valve housings, flaps, pump housings and stators, metal bonded parts, diaphragms and profiles. Flexseal® FFKM FS 30242 is also used in the petrochemical industry, the aerospace industry and the semiconductor industry.

Colour: Black

Forms of delivery: Flexseal® FFKM FS 30242 can be supplied as a cut-to-size or stamped part. Other delivery forms on customer request.

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Properties	Test Method	Unit	Value
Hardness	ASTM D2240	Shore A	75
Modulus bei 100%	ASTM D412 , 500mm/min	MPa	13,5
Tensile strength	ASTM D412 , 500mm/min	MPa	18,5
Elongation at break	ASTM D412 , 500mm/min	%	151
Compression set Compressibility at 25% 24h×200°C	ASTM D395B , 214 O-RING	%	
24h× 200°C (Compression set)	ASTM D395B , 214 O-RING	%	11,2
Brittleness at low temperatures	ASTM D746-2007	°C	-20
High temperature resistance		°C	+350
Steam and hot amine resistance			No

Chemical resistance

Acid	Excellent
Alkali	Very good
Alcohol	Excellent
Aldehyde	Excellent
Ammonia (room temperature)	Very good
Amine (>70°C)	Not applicable
Ether	Excellent
Ester	Excellent
Ketone	Excellent
Superheated water,vapour	Not good
Strong oxidant	Good
Oxirane,epoxypropane	Not good
Aromatic alkyl,aliphatic hydrocarbon based oil	Excellent

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

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
