Precision components
made of flexible and rigid materials

# Gaskets materials

## Flexseal® FFKM FS 30241

**Description:**

Flexseal® FFKM FS 30241 has excellent chemical corrosion resistance and is resistant to organic acids, inorganic acids, alkalis, esters, ethers, ketones, aldehydes, etc. Flexseal® FFKM FS 30241 has excellent heat resistance and hot air ageing properties. It is suitable for environments with high temperatures, such as semiconductor processes. Flexseal® FFKM FS 30241 has a maximum working temperature of 320°C. Flexseal® FFKM FS 30241 is not suitable for steam and hot amine environments.

**Applications:**

Flexseal® FFKM FS 30241 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 30241 is also used in the petrochemical industry, the aerospace industry and the semiconductor industry.

**Colour:**

Black

**Forms of delivery:**

Flexseal® FFKM FS 30241 can be supplied as a cut-to-size or stamped part. Other delivery forms on customer request.

Zeppelinring 18 | D-26197 Ahlhorn | Tel.: +49 (0) 4435 97 10 10 | Fax: +49 (0) 4435 97 10 11
info@mueller-ahlhorn.com | www.mueller-ahlhorn.com | Seat of the company: Ahlhorn
Managing Director: Dr. Michael Müller | AG Oldenburg: HRB 209026 | Ust. ID-Nr.: DE 295969093
St.-Nr.: 68/207/07677 | Certified according to ISO 9001:2015 and ISO 14001:2015
UL recognised repacker E341377

- Production and distribution of electrical insulation materials, thermally conductive products, seals and technical films
- Production of stamped parts, blanks and moulded parts
- Cutting/assembly of films and adhesive tapes
- CNC machining, laser cutting and water jet cutting

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| Properties | Test method | Unit | Value |
|---|---|---|---|
| Hardness | ASTM D2240 | Shore A | 74 |
| Modulus at 100% | ASTM D412 , 500mm/min | MPa | 13,5 |
| Tensile strength | ASTM D412 , 500mm/min | MPa | 18,2 |
| Elongation at break | ASTM D412 , 500mm/min | % | 161 |
| Compression set Compressibility at 25% 24h×200℃ | ASTM D395B , 214 O-RING | % | |
| 24h× 200℃（Set compression） | ASTM D395B , 214 O-RING | % | 10,7 |
| Brittleness at low temperatures | ASTM D746-2007 | °C | -20 |
| High temperature resistance | | | +320 |
| Steam and hot amine resistance | | | No |

## Chemical resistance

| | |
|---|---|
| Acid | Excellent |
| Alkali | Very good |
| Alcohol | Excellent |
| Aldehyde | Excellent |
| Ammonia （room temperature） | Not good |
| Amine（>70℃） | 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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# Flexseal® FFKM FS 30241

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

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**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

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