Fietz Thermoplast GmbH

FiLomer®

High-Performance Elastomers

FFKM • FKM • HNBR • NBR

O-rings • Seals • Molded parts • Coordinated components

FiLomer® Material

Elastomers – Flexibility that delivers performance

With FiLomer®, the Fietz Group offers a range of materials that has been specially developed for the **most demanding industrial applications**.

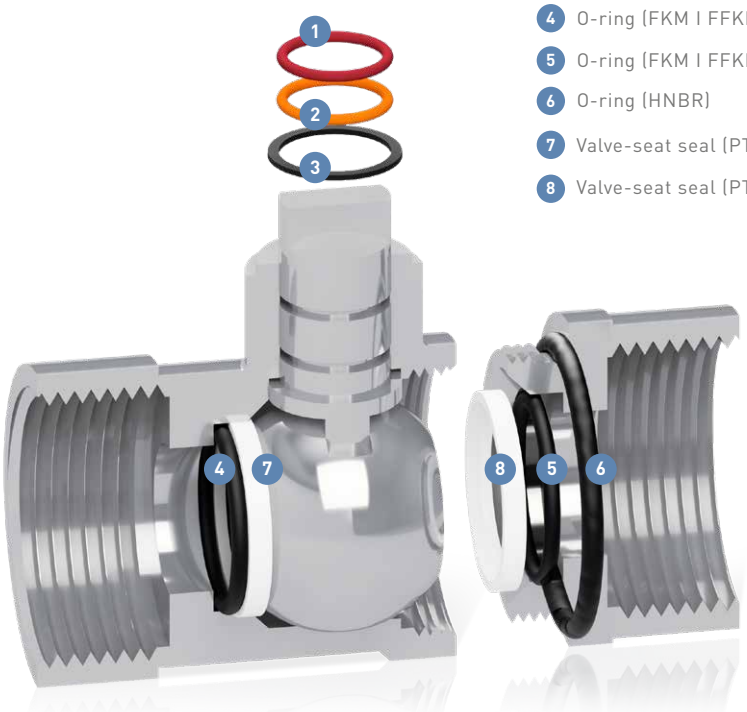
Whether high-performance elastomers or fluor elastomers – FiLomer® combines **excellent material properties with precise processing** to deliver molded parts and, above all, seals that function reliably under **extreme conditions**.

Why FiLomer® is the right choice:

- **Extreme resistance** – withstands high temperatures, aggressive chemicals, and mechanical stress
- **Excellent sealing effect** – even under changing pressure and temperature conditions
- **Wide variety of materials** – from simple NBR to high-performance FKM and fluoroelastomer compounds
- **Longevity** – minimizes maintenance and replacement intervals

FiLomer® materials are used in the chemical, oil, and gas industries, in mechanical engineering, in food technology, in aviation, and wherever standard-quality elastomers reach their limits.

With FiLomer®, you can rely on material expertise that makes your processes safer and more efficient – and does so on a long-term basis.



1. Wiper (FiPur® 200)
2. Dynamic seal (FiPur® 150)
3. Gasket I Formed part (FKM I FFKM)
4. O-ring (FKM I FFKM)
5. O-ring (FKM I FFKM)
6. O-ring (HNBR)
7. Valve-seat seal (PTFE)
8. Valve-seat seal (PTFE)

FiLomer®-Materials

Compound	Colour	Hardness (Shore A)	Temperature range	Specials	Field of Application
Perfluoro rubber					
FFKM					
FI6401	●	75	-10°C to +280°C	Allrounder for high temperature applications with wide chemical resistance	Chemistry and general mechanical engineering
FI6402	●	75	-10°C to +320°C	Especially fit for high temperature applications	Chemistry and general mechanical engineering
FI6403	○	70	-12°C to +270°C	Food compliant according to CFR 21 177.2400	Food Industry
FI6404	●	75	-20°C to +250°C	Specially made for water vapor and amine applications	Chemical industry
Fluoro rubber					
FKM					
FI6301	●	70	-49°C to +220°C	Best for low temperature applications (TR10 -40°C)	General machine engineering and fluid technology
FI6302	●	75	-15°C to +200°C	Excellent for steam applications	General machine engineering and fluid technology
FI6303	●	75	-15°C to +200°C	General industry standard: very good price/performance ratio	General machine engineering and fluid technology
FI6304	●	70	-40°C to +200°C	Best for low temperature applications (TR10 -30°C)	General machine engineering and fluid technology
FI6305	●	70	-15°C to +200°C	Food compliant according to CFR 21 177.2600	Food Industry
FI6306	●	90	-25°C to +200°C	General industry standard: very good price/performance ratio	General machine engineering and fluid technology
Hydrogenated acrylonitrile butadiene rubber					
HNBR					
FI6101	●	70	-45°C to +150°C	Best for low temperature applications	General machine engineering and fluid technology
FI6102	●	90	-35°C to +150°C	General industry standard: very good price/performance ratios	General machine engineering and fluid technology
Acrylonitrile butadiene rubber					
NBR					
FI6800	●	70	-40°C to +130°C	Optimized NBR with increased ozone resistance	General machine engineering and fluid technology
FI6801	●	90	-35°C to +130°C	General industry standard: very good price/performance ratios	General machine engineering and fluid technology

FiLomer® is a registered trademark of Fietz Group.

Fietz Thermoplast GmbH

Co-Engineering • Sealing systems • Precision plastics

Fietz Thermoplast GmbH

High Precision Polymer Solutions

Interested?

Our team of **application engineering and materials experts** looks forward to hearing from you and assisting you with:

- **Application consulting**
- **Seal design**
- **Prototypes**
- **Project management**
- **Material design**
- **Series production**

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Polyurethane

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