

Material name, short description	FKM
Material name, based on technical standards	Fluorine elastomer
Material description / intended use	Fluoroelastomer with high heat resistance and broad chemical resistance.
Color	black
Compound code	FKM 75.72-01
Remarks	FEP coating SC.608-01 / PFA coating SC.608-02

**Mechanical properties**

Hardness nominal	75 ±5 Shore A ASTM D 2240
Hardness	77 Shore A
Density nominal	1.84 ±0.02 g/cm <sup>3</sup> ASTM D 297
Tensile strength	15.34 N/mm <sup>2</sup> ASTM D 412
Elongation at break	211 % ASTM D 412
Modulus 100%	6.9 N/mm <sup>2</sup> ASTM D 412
Compression set	9 % ASTM D 395 22 h, 23 °C
	33.8 % ASTM D 395 336 h, 200 °C

**Thermal properties**

Operating temperature min.*	-15 °C
Operating temperature max.*	200 °C
TR 10 value	-22 °C ASTM D 1329

\* Approximate value, dependent on the application

**Air aging 1**

Test parameter	70 h, 250 °C
Test standard	ASTM D 573
Value change	Hardness: +1 Points Tensile strength: +3 % Elongation at break: 0 %

**Approvals / Compliance**

Specific substance statements	ADI free (free of Animal Derived Ingredients) resp. TSE/BSE related substances
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In compliance with **RoHS** and **REACH** directives.

This information is based on our available data. These values are measured on standard test specimens and are within the normal tolerance range of material properties and do not represent guaranteed property values. Therefore they shall not be used for specification purposes. The customer is solely responsible for quality and suitability of material for his application. He has to test usage and processing prior to use. Angst+Pfister makes no guarantees for the suitability of the material for any given application and assumes no obligation or liability in connection with the information provided above.