

General compound description

Material name, short description	FKM
Material name, based on technical standards	Fluorine elastomer
Compound Code	FKM 75.16-18
Material description / intended use	Fluoroelastomer with high heat resistance and broad chemical resistance.
Color	black

Mechanical properties

Density	1.88 g/cm ³ ± 0.02 ISO 2781-A
Hardness	75 Shore A ± 5 ASTM D 2240
Tensile strength	13.9 MPa ASTM D 412-C
Elongation at rupture	210 % ASTM D 412-C
Compression set	11 % ASTM D 395-B 70h, 200°C, 25% deformation
Tear resistance	35 N/mm ASTM D 624-B

Thermal properties

Min. operating temperature stat.	-25 °C
Max. operating temperature dyn.	250 °C
Max. operating temperature short term	275 °C
TR 10 value	-17 °C
Glass transition temperature	-16.5 °C VDA 675 116