



FFKM 3152 75

Perfluoro elastomer

Standard Colour: **Black**

Service temperature: -10°C to +230°C

This compound meets FDA requirements according to CFR 177.2600 regarding global migration.
Low temperature flexibility

Physical properties	Unit	Test method	Test result
Hardness Shore A	Shore A	ISO 868	75
Tensile strength	MPa	ISO 37	10.1
Elongation	%	ISO 37	129
Specific gravity	g/cm ³	ISO 2781	1.89
Modulus 100%	MPa	ISO 37	6.8
Compression set			
70hrs at 200°C	%	ASTM D395 (OR214)	20
Low temperature flexibility			
TR-10	°C	ASTM D1329	-20

Changes to properties after ageing acc. To ASTM D471

Test parameter medium	Test Method	Test Value
Nitric Acid (60%)		
40hrs at 240°C	ASTM D471	<5
Steam immersion		
720 hrs at 190°C	ASTM D471	<5
Ethylenediamine immersion		
504hrs at 40°C	ASTM D471	<5
MEK.		
504hrs at 40°C	ASTM D471	<5

The results displayed in this data sheet were obtained on standard test specimens following standard test procedures. Comparisons with results obtained on finished products, e.g. O-Rings, could lead to other results due to differences in geometry and manufacturing processes. These other results do therefore not automatically contravene the data of this sheet. The evaluation of parts prior to their use in order to ensure their suitability for the intended application is subject to the end user's responsibility.