

Data Sheet: FFKM3716 (was 8756)

MATERIAL: PERFLUOROELASTOMER 90 +/-5 SHORE

Outstanding at high temperatures, use with aggressive chemicals, steam resistance and low compression set at high temperatures.

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -10°C to +300°C continuous (+330°C Peak)

PHYSICAL PROPERTIES	TEST METHOD	TEST RESULT
HARDNESS SHORE A	ASTM D2240	92
TENSILE STRENGTH, MPa	ASTM D412	18
ELONGATION, %	ASTM D412	110
MODULUS 100%	ASTM D412	16

COMPRESSION SET		
70 hrs @ 200°C %	ASTM D395/B	27

LOW TEMPERATURE FLEXIBILITY		
TR-10°C	ASTM D1329	-1

AIR AGEING, 70 hrs @ 300°C		
HARDNESS CHANGE, SHORE A	ASTM D573	-2
TENSILE STRENGTH CHANGE, %	ASTM D573	-20
ELONGATION CHANGE, %	ASTM D573	+40

CHLORIDRIC ACID 37% IMMERSION, 70 hrs @ 80°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-1
TENSILE STRENGTH CHANGE, %	ASTM D471	-4
ELONGATION CHANGE, %	ASTM D471	-15
VOLUME CHANGE, %	ASTM D471	+1.6

POTASSIUM HYDROXIDE 50% IMMERSION, 168 hrs @ 125°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-2
TENSILE STRENGTH CHANGE, %	ASTM D471	-10
ELONGATION CHANGE, %	ASTM D471	-15
VOLUME CHANGE, %	ASTM D471	+0.4

FLUID RESISTANCE OVERVIEW		
VOLUME CHANGE, %	AMINES (RT)	<10
VOLUME CHANGE, %	KETONES	<10
VOLUME CHANGE, %	ESTERS	<10
VOLUME CHANGE, %	ETHERS	<10
VOLUME CHANGE, %	SOUR GAS	<10

The above test results are based on test slabs / buttons. The results from the actual parts may be different.

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