

Data Sheet: FFKM8716

MATERIAL: PERFLUOROELASTOMER 75 SHORE

Very high chemical resistance and developed for very demanding sealing applications.
Resistant to hot amines.

COLOUR: IVORY

GENERAL SERVICE TEMPERATURE RANGE: -10°C to 230°C continuous (260°C / 3000 hours)

PHYSICAL PROPERTIES	TEST METHOD	TEST RESULT
HARDNESS SHORE A	ASTM D2240	76
TENSILE STRENGTH, MPa	ASTM D412	19.7
ELONGATION, %	ASTM D412	138
MODULUS 100%	ASTM D412	10.9

COMPRESSION SET		
70 hrs @ 200°C	ASTM D395/B	23

LOW TEMPERATURE FLEXIBILITY		
TR-10°C	ASTM D1329	-2

AIR AGEING, 70 hrs @ 225°C		
HARDNESS CHANGE, SHORE A	ASTM D471	+3
TENSILE STRENGTH CHANGE, %	ASTM D471	+2
ELONGATION CHANGE, %	ASTM D471	-11

GLACIAL ACETIC ACID, 336 hrs @ 100°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-5
TENSILE STRENGTH CHANGE, %	ASTM D471	-13
ELONGATION CHANGE, %	ASTM D471	-15
VOLUME CHANGE, %	ASTM D471	+5

DIPROPYLAMINE IMMERSION, 168 hrs @ 150°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-4
TENSILE STRENGTH CHANGE, %	ASTM D471	-27
ELONGATION CHANGE, %	ASTM D471	-14
VOLUME CHANGE, %	ASTM D471	+6.5

AMMONIA 28%, 336 hrs @ 100°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-3
TENSILE STRENGTH CHANGE, %	ASTM D471	-19
ELONGATION CHANGE, %	ASTM D471	-16
VOLUME CHANGE, %	ASTM D471	+3.7

Data Sheet: FFKM8716

PHYSICAL PROPERTIES**TEST METHOD****TEST RESULT****FLUID RESISTANCE OVERVIEW**

VOLUME CHANGE, % ACIDS		<10
VOLUME CHANGE, % KETONES		<10
VOLUME CHANGE, % ESTERS		<10
VOLUME CHANGE, % ETHERS		<10
VOLUME CHANGE, % ALKALIS		<10

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

Issue Date: 27.05.2016