

Data Sheet: FFKM8714

MATERIAL: PERFLUOROELASTOMER 60 +/-5 SHORE

General use - with high chemical resistance.

COLOUR: WHITE

GENERAL SERVICE TEMPERATURE RANGE: -10°C to 230°C continuous (260°C Peak)

PHYSICAL PROPERTIES	TEST METHOD	TEST RESULT
HARDNESS SHORE A	ASTM D2240	64
TENSILE STRENGTH, MPa	ASTM D412	18
ELONGATION, %	ASTM D412	200
MODULUS 100%,	ASTM D412	5
COMPRESSION SET		
70 hrs@ 200°C %	ASTM D395/B	19
LOW TEMPERATURE FLEXIBILITY		
TR-10°C	ASTM D1329	-2
AIR AGEING, 70hrs @ 230°C		
HARDNESS CHANGE, SHORE A	ASTM D573	+1
TENSILE STRENGTH CHANGE, %	ASTM D573	+1
ELONGATION CHANGE, %	ASTM D573	+7.9
STEAM IMMERSION, 168hrs @ 220°C		
HARDNESS CHANGE, SHORE A	ASTM D471	+1
TENSILE STRENGTH CHANGE, %	ASTM D471	-19
ELONGATION CHANGE, %	ASTM D471	+36
VOLUME CHANGE, %	ASTM D471	+0.8
SULPHURIC ACID 98% IMMERSION, 70hrs @ 60°C		
HARDNESS CHANGE, SHORE A	ASTM D471	0
TENSILE STRENGTH CHANGE, %	ASTM D471	-5.3
ELONGATION CHANGE, %	ASTM D471	-12.2
VOLUME CHANGE, %	ASTM D471	+0.1
AMMONIA, ANHYDROUS IMMERSION, 500hrs @ 100°C		
HARDNESS CHANGE, SHORE A	ASTM D471	+6
TENSILE STRENGTH CHANGE, %	ASTM D471	-6.8
ELONGATION CHANGE, %	ASTM D471	-6.1
VOLUME CHANGE, %	ASTM D471	-0.4

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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: 15.01.2014