

Data Sheet: FFKM3202

MATERIAL: PERFLUOROELASTOMER 75 SHORE

FFKM 75 ± 5 Shore A black, upper chemical resistance grade. Developed for very demanding sealing applications. Hot amines and steam resistant.

COLOUR: BLACK

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

PHYSICAL PROPERTIES	TEST METHOD	TEST RESULT
HARDNESS SHORE A	ASTM D2240	74
TENSILE STRENGTH, N/mm ²	ASTM D412	19.3
ELONGATION, %	ASTM D412	173
MODULUS 100%, N/mm ²	ASTM D412	8.8
COMPRESSION SET		
70hrs @ 200°C %	ASTM D395/B	21
LOW TEMPERATURE FLEXIBILITY		
TR-10°C	ASTM D1329	-2
AIR AGEING, 70 hrs @ 225°C		
HARDNESS CHANGE, SHORE A	ASTM D573	-1
TENSILE STRENGTH CHANGE, %	ASTM D573	+5
ELONGATION CHANGE, %	ASTM D573	+29
STEAM IMMERSION, 168 hrs @ 204°C		
HARDNESS CHANGE, SHORE A	ASTM D471	+6
TENSILE STRENGTH CHANGE, %	ASTM D471	-15
ELONGATION CHANGE, %	ASTM D471	+23
VOLUME CHANGE, %	ASTM D471	+1
ETHYLENEDIAMINE IMMERSION, 72 hrs @ 100°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-4
TENSILE STRENGTH CHANGE, %	ASTM D471	-35
ELONGATION CHANGE, %	ASTM D471	+13
VOLUME CHANGE, %	ASTM D471	+6.5
N-METHYL DIETHANOLAMINE, 168 hrs @ 150°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-2
TENSILE STRENGTH CHANGE, %	ASTM D471	-22
ELONGATION CHANGE, %	ASTM D471	-2
VOLUME CHANGE, %	ASTM D471	-2

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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: 01.10.2017