

Data Sheet: FFKM3202 (was 8713)

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.

This compound is also used in food and pharmaceutical industries as well as semiconductor wet processes. Meets the extractive requirements of FDA 21 CFR 177.2600 & 177.2400, EC1935/2004 (UE N°10/2011 Regulation), and 3A sanitary.

COLOUR: BLACK

General Service Temperature Range: -10°C to 230°C continuous (260°C /1000 hours)

PHYSICAL PROPERTIES	TEST METHOD	REQUIRED	TEST RESULT
HARDNESS SHORE A	ASTM D2240	75	76
TENSILE STRENGTH, N/mm ²	ASTM D412	-	23
ELONGATION, %	ASTM D412	-	180
MODULUS 100%, N/mm ²	ASTM D412	-	12
SPECIFIC GRAVITY g/cm ³	ASTM D297	-	±0.02
COMPRESSION SET			
70hrs @ 200°C %	ASTM D395/B	-	17
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

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

Issue Date: 01.12.2017