

Data Sheet: FFKM3707 (was 8753)

MATERIAL: PERFLUOROELASTOMER 70 +/-5 SHORE

This compound is recommended for General use for high temperatures. It has broad chemical resistance and excellent steam resistance.

COLOUR: BLACK

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

PHYSICAL PROPERTIES

	TEST METHOD	TEST RESULT
HARDNESS SHORE A	ASTM D2240	72
TENSILE STRENGTH, N/mm ²	ASTM D412	18
ELONGATION, %	ASTM D412	230
MODULUS 100%, N/mm ²	ASTM D412	7

COMPRESSION SET

70 hrs @ 200°C %	ASTM D395/B	13
70 hrs @ 300°C %	ASTM D395/B	32

LOW TEMPERATURE FLEXIBILITY

TR-10°C	ASTM D1329	+4
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AIR AGEING, 70 hrs @ 280°C

HARDNESS CHANGE, SHORE A	ASTM D573	0
TENSILE STRENGTH CHANGE, %	ASTM D573	-2.5
ELONGATION CHANGE, %	ASTM D573	+19
MODULUS CHANGE, %	ASTM D573	-10

AIR AGEING, 70 hrs @ 300°C

HARDNESS CHANGE, SHORE A	ASTM D573	0
TENSILE STRENGTH CHANGE, %	ASTM D573	-15
ELONGATION CHANGE, %	ASTM D573	+50
MODULUS CHANGE, %	ASTM D573	-28

AIR AGEING, 70 hrs @ 320°C

HARDNESS CHANGE, SHORE A	ASTM D573	0
TENSILE STRENGTH CHANGE, %	ASTM D573	-30
ELONGATION CHANGE, %	ASTM D573	+80
MODULUS CHANGE, %	ASTM D573	-40

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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