

Data Sheet: FFKM3704 formerly 8755

MATERIAL: PERFLUOROELASTOMER 75 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 (+330°C Peak)

PHYSICAL PROPERTIES	TEST METHOD	TEST RESULT
HARDNESS SHORE A	ASTM D2240	76
TENSILE STRENGTH, MPa	ASTM D412	18
ELONGATION, %	ASTM D412	146
MODULUS 100%,	ASTM D412	14.3

COMPRESSION SET

70 hrs @ 200°C %	ASTM D395/B	25
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LOW TEMPERATURE FLEXIBILITY

TR-10°C	ASTM D1329	-1
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AIR AGEING, 70 hrs @ 300°C

HARDNESS CHANGE, SHORE A	ASTM D573	-2
TENSILE STRENGTH CHANGE, %	ASTM D573	-20
ELONGATION CHANGE, %	ASTM D573	+40

STEAM IMMERSION, 168 hrs @ 220°C

HARDNESS CHANGE, SHORE A	ASTM D471	-2
TENSILE STRENGTH CHANGE, %	ASTM D471	-9
ELONGATION CHANGE, %	ASTM D471	+5
VOLUME CHANGE, %	ASTM D471	+2.2

CHLORIDRIC ACID 37% IMMERSION, 70 hrs @ 80°C

HARDNESS CHANGE, SHORE A	ASTM D471	-1
TENSILE STRENGTH CHANGE, %	ASTM D471	-4
ELONGATION CHANGE, %	ASTM D471	-15
VOLUME CHANGE, %	ASTM D471	+1.6

POTASSIUM HYDROXIDE 50% IMMERSION, 168 hrs @ 125°C

HARDNESS CHANGE, SHORE A	ASTM D471	-2
TENSILE STRENGTH CHANGE, %	ASTM D471	-10
ELONGATION CHANGE, %	ASTM D471	-15
VOLUME CHANGE, %	ASTM D471	+0.4

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