Data Sheet: FFKM8751

MATERIAL: PERFLUOROELASTOMER 65 +/-5 SHORE

Developed for Semicon, dry and wet applications, this is a high purity compound without filler. Outstanding resistance to aggressive chemicals and high temperature conditions.

COLOUR: TRANSLUCENT BROWN

GENERAL SERVICE TEMPERATURE RANGE: -20°C to +275°C continuous use (290°C Peak)

PHYSICAL PROPERTIES	TEST METHOD	TEST RESULT
HARDNESS SHORE A	ASTM D2240	64
TENSILE STRENGTH, N/mm^2	ASTM D412	17.9
ELONGATION, %	ASTM D412	243
MODULUS 100%, N/mm^2	ASTM D412	3.8
COMPRESSION SET		
70 hrs @ 200°C %	ASTM D395/B	22
LOW TEMPERATURE FLEXIBILITY		
TR-10°C	ASTM D1329	-2
AIR AGEING, 70 hrs @ 275°C		
HARDNESS CHANGE, SHORE A	ASTM D573	+2
TENSILE STRENGTH CHANGE, %	ASTM D573	+1
ELONGATION CHANGE, %	ASTM D573	+25
CHANGE IN 100% MODULUS	ASTM D573	+3
GLACIAL ACETIC ACID, 336 hrs @ 100°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-100
TENSILE STRENGTH CHANGE, %	ASTM D471	-34
ELONGATION CHANGE, %	ASTM D471	-3
VOLUME CHANGE, %	ASTM D471	+6.7
HYDROCHLORIC ACID, 37%, 70 hrs @ 80°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-1
TENSILE STRENGTH CHANGE, %	ASTM D471	-2
ELONGATION CHANGE, %	ASTM D471	-2
VOLUME CHANGE, %	ASTM D471	+0.7
FLUID RESISTANCE OVERVIEW		
VOLUME CHANGE, %	ACIDS	<10
VOLUME CHANGE, %	ALKALIS	<10
VOLUME CHANGE, %	ESTERS	<10
VOLUME CHANGE, %	ETHERS	<10
VOLUME CHANGE, %	KETONES	<10

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

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