

Data Sheet: FFKM8726

MATERIAL: PERFLUOROELASTOMER 80 +/-5 SHORE

Specifically developed for semiconductor applications. Good mechanical properties, low particle generation and low weight loss in plasmas. Specific cleaning and packaging in ultra-pure environment.

COLOUR: IVORY

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

PHYSICAL PROPERTIES	TEST METHOD	TEST RESULT
HARDNESS SHORE A	ASTM D2240	78
TENSILE STRENGTH, MPa	ASTM D412	21.4
ELONGATION %	ASTM D412	120
MODULUS 100%	ASTM D412	15.1

COMPRESSION SET		
70 hrs@ 200°C %	ASTM D395/B	25

LOW TEMPERATURE FLEXIBILITY		
TR-10°C	ASTM D1329	-2

AIR AGEING, 70hrs @ 275°C		
HARDNESS CHANGE, SHORE A	ASTM D573	+3
TENSILE STRENGTH CHANGE %	ASTM D573	-3
ELONGATION CHANGE %	ASTM D573	+16

SULPHURIC ACID 98% IMMERSION, 70hrs @ 60°C		
HARDNESS CHANGE, SHORE A	ASTM D471	0
TENSILE STRENGTH CHANGE %	ASTM D471	-5
ELONGATION CHANGE %	ASTM D471	-12
VOLUME CHANGE %	ASTM D471	+0.1

HYDROFLUORIC ACID, 50% IMMERSION, 168hrs @ 80°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-1
TENSILE STRENGTH CHANGE %	ASTM D471	-15
ELONGATION CHANGE %	ASTM D471	+10
VOLUME CHANGE %	ASTM D471	+5

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

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