

Data Sheet: FFKM8722

MATERIAL: PERFLUOROELASTOMER 90 SHORE

Developed for Oil and Gas Industries. High chemical resistance. Very low temperature capability.

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -40°C to 230°C continuous (+260°C Peak)

PHYSICAL PROPERTIES	TEST METHOD	TEST RESULT
HARDNESS SHORE A	ASTM D2240	90
TENSILE STRENGTH, MPa	ASTM D412	13
ELONGATION, %	ASTM D412	114
MODULUS 100%	ASTM D412	10.3
COMPRESSION SET		
70hrs @ 200°C %	ASTM D395/B	23
LOW TEMPERATURE FLEXIBILITY		
TR-10°C	ASTM D1329	-30
STEAM IMMERSION, 168hrs @ 220°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-2
TENSILE STRENGTH CHANGE, %	ASTM D471	-26
ELONGATION CHANGE, %	ASTM D471	+39
VOLUME CHANGE, %	ASTM D471	+0.6
METHANOL IMMERSION, 168hrs @ 23°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-1
TENSILE STRENGTH CHANGE, %	ASTM D471	-8
ELONGATION CHANGE, %	ASTM D471	+6
VOLUME CHANGE, %	ASTM D471	+0.8
ETHYLENEDIAMINE IMMERSION 72hrs @ 100°C		
HARDNESS CHANGE, SHORE A	ASTM D471	-9
TENSILE STRENGTH CHANGE, %	ASTM D471	-39
ELONGATION CHANGE, %	ASTM D471	+57
VOLUME CHANGE, %	ASTM D471	+11

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

Issue Date: 06.04.2018