

Data Sheet: FKM75 for Bonded Seals

COLOUR: BLACK

SPECIFICATION: ASTM D2000 M2HK710 A1-10 B37 B38 EF31 EO78

PHYSICAL PROPERTIES	TEST METHOD	REQUIREMENT	TEST RESULT
HARDNESS, SHORE A		75 +/- 5	75
TENSILE STRENGTH, MIN, MPa		1450	1750
ELONGATION, MIN, %		175	296
HEAT RESISTANCE, 70 hrs @ 250°C			
HARDNESS CHANGE, MAX, PTS	ASTM D573	±10	+1
TENSILE STRENGTH CHANGE, MAX, %	ASTM D573	-25	+1
ELONGATION CHANGE, MAX, %	ASTM D573	-25	-13
VOLUME CHANGE, %	ASTM D573		-2.9
HEAT RESISTANCE, 70 hrs @ 275°C			
HARDNESS CHANGE, MAX, PTS	ASTM D573		+4
TENSILE STRENGTH CHANGE, MAX, %	ASTM D573		-23
ELONGATION CHANGE, MAX, %	ASTM D573		-4
VOLUME CHANGE, %	ASTM D573		-8.2
COMPRESSION SET			
22 hrs @ 175°C, METHOD B. MAX, %	ASTM D325	50	14
22 hrs @ 200°C, METHOD B. MAX, %	ASTM D325	50	18
SERVICE LIQUID 101, 70 hrs @ 200°C			
HARDNESS CHANGE, PTS	ASTM D471	-5 to +5	-11
TENSILE STRENGTH CHANGE, MAX, %	ASTM D471	-40	-11
ELONGATION CHANGE, MAX, %	ASTM D471	-20	+2
VOLUME CHANGE, %	ASTM D471	0 to +15	+10.6
HATCO 7700, OIL, 70 hrs @ 200°C			
HARDNESS CHANGE, PTS	ASTM D471		-17
TENSILE STRENGTH CHANGE, MAX, %	ASTM D471		-20
ELONGATION CHANGE, MAX, %	ASTM D471		-6
VOLUME CHANGE, %	ASTM D471		+17.8
FUEL C, 70 hrs @ 23°C			
HARDNESS CHANGE, PTS	ASTM D471	±5	-5
TENSILE STRENGTH CHANGE, MAX, %	ASTM D471	-25	-8
ELONGATION CHANGE, MAX, %	ASTM D471	-20	+5
VOLUME CHANGE, %	ASTM D471	0~+10	+3.4

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

29/01/2018