

# Data Sheet: FFKM75B

## MATERIAL: PERFLUOROELASTOMER 75 SHORE

For general use with outstanding resistance to high temperatures.

**COLOUR:** BLACK

**GENERAL SERVICE TEMPERATURE RANGE:** -10°C to +300°C

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS, SHORE A, PTS	75+/-5	71
TENSILE STRENGTH, MIN, MPa	11	14.7
ELONGATION, MIN, %	125	153
<b>COMPRESSION SET</b>		
22 hrs @ 200°C, MAX, %	25	16
70 hrs @ 200°C, MAX, %		19
70 hrs @ 250°C, MAX, %		22
70 hrs @ 275°C, MAX, %		25
<b>HEAT AGEING, 70 hrs @ 300°C</b>		
HARDNESS CHANGE, SHORE A	+/-15	+1
TENSILE STRENGTH CHANGE, %	+/-30	-6.1
ELONGATION CHANGE, %	-50	+11.1
<b>FLUID RESISTANCE, NO.903 OIL. 70 hrs @ 150°C</b>		
VOLUME CHANGE, %	+10	+0.54
<b>CHEMICAL RESISTANCE</b>		
GROUP, VOLUME SWELL		
ALKANES	<1%	
AROMATICS	<1%	
FUELS, OILS	<1%	
POLAR SOLVENTS	<1%	
OXIDIZERS	<1%	
HALOGENATED	<10%	
ACIDS & BASES	<1%	
ML LB*in	0.82	
MH LB*in	9.03	
T2 min	4.95	
T9 50 min	6.45	
T9 90 min	11.12	

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

**Issue Date: 21.04.2017**