

# Data Sheet: FKM75 (Bonded Seals)

## MATERIAL: FLUOROCARBON 75 SHORE FOR BONDED SEALS

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -20°C to 205°C

SPECIFICATION: ASTM D2000 M2HK710 A1-10 B37 B38 EF31 EO78 Z=Hardness 75+/-5

PHYSICAL PROPERTIES	TEST METHOD	REQUIREMENT	TEST RESULT
HARDNESS SHORE A (Z)	D2240	75+/-5	75
TENSILE STRENGTH, MPa	D412	10	12.2
ELONGATION, %	D412	175	227
MODULUS @ 100% MPa			5.8
MODULUS @ 200% MPa			11.1
SPECIFIC GRAVITY	D297		1.89
<b>A1-10 HEAT AGEING 70 hrs @ 250°C</b>			
HARDNESS CHANGE, POINTS	D573	+10	+2
TENSILE STRENGTH CHANGE, %		-25	+9
ELONGATION CHANGE, %		-25	-9
VOLUME CHANGE, %			-3
<b>B38 COMPRESSION SET, METHOD B</b>			
22 hrs @ 175°C %	D395	50	18
<b>EF31 FUEL RESISTANCE, FUEL C. 70 hrs @ 23°C</b>			
HARDNESS CHANGE, POINTS	D471	+/-5	-4
TENSILE STRENGTH CHANGE, %	D471	-25	-4
ELONGATION CHANGE, %	D471	-20	+4
VOLUME CHANGE, %	D471	0/+10	+2.8
<b>EO78 FUEL RESISTANCE, 101 OIL. 70 hrs @ 200°C</b>			
HARDNESS CHANGE, POINTS	D471	-15/+5	-10
TENSILE STRENGTH CHANGE, %	D471	-40	-4
ELONGATION CHANGE, %	D471	-20	0
VOLUME CHANGE, %	D471	0/+15	+11.5

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

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