

Data Sheet: FKM75

MATERIAL: FKM75 - FLUOROCARBON 75 SHORE

COLOUR: BLACK

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

SPECIFICATION: ASTM D2000 M2HK710 A1-10 B37 EF31 F15Z

PHYSICAL PROPERTIES	TEST METHOD	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	D2240	75+/-5	75
TENSILE STRENGTH, MPa	D412	10	11.8
ELONGATION, %	D412	175	209
SPECIFIC GRAVITY	D297		1.85
CURE SYSTEM	N/A		BISPHENOL
A1-10 HEAT AGEING 70 hrs @ 250°C			
HARDNESS CHANGE, POINTS	D573	+10	+4
TENSILE STRENGTH CHANGE, %		-25	-5
ELONGATION CHANGE, %		-25	-15
B38 COMPRESSION SET, METHOD B			
22 hrs @ 175°C %	D395	50	9
EF31 FUEL RESISTANCE, FUEL C. 70 hrs @ 23°C			
HARDNESS CHANGE, POINTS	D471	+/-5	-4
TENSILE STRENGTH CHANGE, %	D471	-25	-20
ELONGATION CHANGE, %	D471	-20	-16
VOLUME CHANGE, %	D471	0/+10	+5
LOW TEMPERATURE RESISTANCE			
NON BRITTLE AFTER 3 min @ -25°C	D2137	PASS	PASS

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

Issue Date: 17.08.2015