

Data Sheet: FKM70

MATERIAL: FKM70 - FLUOROCARBON 70 SHORE

COLOUR: BLACK

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

SPECIFICATION: ASTM D2000 M2HK710 A1-10B38EF31EO78

PHYSICAL PROPERTIES	TEST METHOD	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	D2240	70+/-5	72
TENSILE STRENGTH, MPa	D412	10	12
ELONGATION, %	D412	175	187
SPECIFIC GRAVITY	D297		1.89
A1-10 HEAT AGEING 70hrs @ 250°C			
HARDNESS CHANGE, POINTS	D573	+10	+8
TENSILE STRENGTH CHANGE, %	D573	-25	-22
ELONGATION CHANGE, %	D573	-25	-15
B38 COMPRESSION SET, METHOD B			
22hrs @ 175°C %	D395	50	9
EF31 FUEL RESISTANCE, FUEL C. 70hrs @ 23°C			
HARDNESS CHANGE, POINTS	D471	+/-5	-2
TENSILE STRENGTH CHANGE, %	D471	-25	-16
ELONGATION CHANGE, %	D471	-20	-18
VOLUME CHANGE, %	D471	0/+10	+5
LOW TEMPERATURE RESISTANCE			
NON BRITTLE AFTER 3 MIN @ -25°C	D2137		PASS

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

Issue Date: 18.05.2015