

Data Sheet: EP70

MATERIAL: ETHYLENE PROPYLENE 70 SHORE (GENERAL PURPOSE)

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -55°C to +125°C

SPECIFICATION: ASTM D2000 M3BA710 A14 B13 C12 F19

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	70+/-5	70
TENSILE STRENGTH psi	1450	1992
ELONGATION %	250	356
SPECIFIC GRAVITY		1.131
HEAT AGEING @ 70hrs @ 100°C		
HARDNESS CHANGE, POINTS	+10	+4
TENSILE STRENGTH CHANGE %	-25	-1
ELONGATION CHANGE %	-25	-24
COMPRESSION SET		
22hrs @ 70°C %	25	9
WATER RESISTANCE @ 70hrs @ 100°C		
VOLUME CHANGE %		+2.1
OZONE RESISTANCE, 50PPHM 70hrs @ 40°C		
RETENTION RATING, MIN %	PASS	PASS
F19 LOW TEMPERATURE BRITTLENESS, METHOD A, 9.3.2		
NON BRITTLE AFTER 3 min @ -55°C		PASS

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

Issue Date: 27.05.2011