

Data Sheet: EP70 FDA

MATERIAL: ETHYLENE PROPYLENE 70 SHORE FDA

COLOUR: BLACK

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

SPECIFICATION: ASTM D2000 M2A710 A14 B13 F19

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	70+/-5	72
TENSILE STRENGTH MPa	10.0	14.1
ELONGATION, %	250	301
SPECIFIC GRAVITY		1.119
HEAT AGEING @ 70 hrs @ 100°C		
HARDNESS CHANGE, POINTS	+15	+2
TENSILE STRENGTH CHANGE %	+/-30	+0
ELONGATION CHANGE %	-50	-16
COMPRESSION SET @ 22 hrs @ 175°C %	25	15
F19 LOW TEMPERATURE BRITTLENESS, METHOD A, 9.3.2		
3 MIN. @ -55°C	PASS	Non-Brittle

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

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