

Data Sheet: EP70 FDA

MATERIAL: ETHYLENE-PROPYLENE 70 SHORE FDA (COMPLIANT TO CFR 21 177-2600)

COLOUR: BLACK

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

SPECIFICATION: ASTM D2000 M3BA710A14B13F17

PHYSICAL PROPERTIES	TEST METHOD	REQUIREMENT	TEST RESULT
HARDNESS SHORE A		70+/-5	70
TENSILE STRENGTH, MIN, MPa		10	13
ELONGATION, MIN, %		250	430
SPECIFIC GRAVITY, g/cm ³			1.125
HEAT RESISTANCE, 70 hrs @ 100°C			
HARDNESS CHANGE, MAX, PTS	ASTM D573	+10	+2
TENSILE STRENGTH CHANGE, MAX, %	ASTM D573	-25	+4
ELONGATION CHANGE, MAX, %	ASTM D573	-25	-24
B13 COMPRESSION SET			
22 hrs @ 70°C, METHOD B, MAX, %	ASTM D395	25	18
F17 LOW TEMPERATURE TEST			
-40°C X 3 MIN	ASTM D2137	PASS	PASS

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

Issue Date: 22.05.2023