

Data Sheet: AEM70

MATERIAL: AEM70 - ETHYLENE ACRYLATE 70 SHORE (VAMAC TYPE)

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -29°C to +150°C

SPECIFICATION: ASTM D2000 M4EE710 A47 B37 EO16 EO36

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	70+/-5	72
TENSILE STRENGTH, MPa	10.0	11.6
ELONGATION %	200	218
SPECIFIC GRAVITY		1.266

HEAT AGEING @ 168 hrs @ 175°C

HARDNESS CHANGE, POINTS	+20	+5
TENSILE STRENGTH CHANGE %	-30	+13
ELONGATION CHANGE %	-65	-28

COMPRESSION SET

22 hrs @ 175°C %	75	48
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FLUID RESISTANCE, ASTM NO.1 OIL. 70 hrs @ 150°C

HARDNESS CHANGE, POINTS	-10/+5	+4
TENSILE STRENGTH CHANGE %	-25	-12
ELONGATION CHANGE %	-35	-21
VOLUME CHANGE %	+/-10	+1

FLUID RESISTANCE, ASTM NO.3 OIL. 70 hrs @ 150°C

TENSILE STRENGTH CHANGE %	-50	-12
ELONGATION CHANGE %	-50	-21
VOLUME CHANGE %	+60	+11

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

Issue Date: 27.05.2011