

Data Sheet: N70

MATERIAL: NITRILE 70 SHORE FOR CORD

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -20°C to +120°C (+130°C for short periods)

SPECIFICATION: ASTM D2000 M5BG710 A14 B14 EO14 EO34

PHYSICAL PROPERTIES	TEST METHOD	REQUIRED	TEST RESULT
HARDNESS, SHORE A, PTS	ASTMD2240	70 +/-5	69
TENSILE STRENGTH, MIN, MPa	ASTMD412	10	16.46
ELONGATION, MIN, %	ASTMD412	250	280
SPECIFIC GRAVITY			1.22
COMPRESSION SET			
22 hrs @ 100°C, %	ASTMD395/B	25	12
AIR AGING, 70 hrs @ 100°C			
CHANGE IN HARDNESS, PTS	ASTMD573	+/-15	+4
CHANGE IN TENSILE STRENGTH %	ASTMD573	-20	+18
CHANGE IN ELONGATION %	ASTMD573	-40	-9
FLUID RESISTANCE, #1 OIL 70 hrs @ 100°C			
CHANGE IN HARDNESS, MAX PTS	ASTMD471	-5~ +15	+5
CHANGE IN TENSILE STRENGTH %	ASTMD471	-25	+11
CHANGE IN ELONGATION, %	ASTMD471	-45	-17
CHANGE IN VOLUME %	ASTMD471	-10~+5	-7
FLUID RESISTANCE #3 OIL 70 hrs @ 100°C			
CHANGE IN HARDNESS, MAX PTS	ASTMD471	-15 ~ 0	-3
CHANGE IN TENSILE STRENGTH %	ASTMD471	-45	+3
CHANGE IN ELONGATION %	ASTMD471	-45	-4
CHANGE IN VOLUME %	ASTMD471	0~ +35	+5

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

Issue Date: 19.08.2015