

Data Sheet: N70 WRAS

MATERIAL: NITRILE 70 SHORE WRAS APPROVED

WRAS Approval No. 1705518

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -35°C to +110°C

SPECIFICATION: ASTM D2000 M2BG810 A14 B14 EA14EF11EF12 EO14 Z1 = Hardness 75+/-5

PHYSICAL PROPERTIES	TEST METHOD	REQUIRED	TEST RESULT
HARDNESS, SHORE A, PTS	ASTMD2240	75 +/-5	73
TENSILE STRENGTH, MIN, MPa	ASTMD412	10	18.16
ELONGATION, MIN, %	ASTMD412	125	343
SPECIFIC GRAVITY			1.22
COMPRESSION SET			
22 hrs @ 100°C, %	ASTMD395/B	25	11
AIR AGING, 70 hrs @ 100°C			
CHANGE IN HARDNESS, PTS	ASTMD573	+/-15	+4
CHANGE IN TENSILE STRENGTH %	ASTMD573	+/-30	-5
CHANGE IN ELONGATION %	ASTMD573	-50	-34
WATER RESISTANCE, 70 HRS @ 100°C			
CHANGE IN HARDNESS, MAX PTS	ASTMD471	+/-10	-1
CHANGE IN TENSILE STRENGTH %	ASTMD471		-4
CHANGE IN ELONGATION, %	ASTMD471		-10
CHANGE IN VOLUME %	ASTMD471	+/-15	+4.8
FLUID RESISTANCE, FUEL A 70 hrs @ 23°C			
CHANGE IN HARDNESS, MAX PTS	ASTMD471	+/-10	-3
CHANGE IN TENSILE STRENGTH %	ASTMD471	-25	-5
CHANGE IN ELONGATION, %	ASTMD471	-25	-4
CHANGE IN VOLUME %	ASTMD471	-5~+10	+2
FLUID RESISTANCE, FUEL B 70 HRS @ 23°C			
CHANGE IN HARDNESS, MAX PTS	ASTMD471	0 ~ -30	-23
CHANGE IN TENSILE STRENGTH %	ASTMD471	-60	-55
CHANGE IN ELONGATION, %	ASTMD471	-60	-43
CHANGE IN VOLUME %	ASTMD471	0~+40	+37.6

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PHYSICAL PROPERTIES	TEST METHOD	REQUIRED	TEST RESULT
FLUID RESISTANCE #1 OIL 70 hrs @ 100°C			
CHANGE IN HARDNESS, MAX PTS	ASTMD471	+/-5	-1
CHANGE IN TENSILE STRENGTH %	ASTMD471	-25	-5
CHANGE IN ELONGATION %	ASTMD471	-45	-22
CHANGE IN VOLUME %	ASTMD471	-10~ +55	+1.6

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

Issue Date: 31.05.2017