

TEST REPORT

MATERIAL : NBR 40 DURO BLACK LOW TEMP COMPOUND NO. : N4063B

A)PHYSICAL PROPERTIES (PRESS CURE @170 DEGREE C X 10min)	REQUIREMENTS	TEST RESULT
HARDNESS ,SHORE A	40+/-5	43
TENSILE STRETCH, MPa, min	10	14.3
ELONGATION, %, min	450	568
SPECIFIC GRAVITY		1.14
B) HEAT RESISTANCE @100 DEGREE C X 70 HRS		
HARDNESS CHANGE, POINTS	+/-15	+3
TENSILE STRENGTH CHANGE, %	- 20	- 6
ELONGATION CHANGE, %	- 40	+ 9
C) COMPRESSION SET 100 DEGREE C X 70 HRS		
SET, %, max	25	22
D) NO. 1 OIL RESISTANCE @100 DEGREE C X 70 HRS		
HARDNESS CHANGE, POINTS	- 5 ~ + 15	+ 12
TENSILE STRENGTH CHANGE, %	- 25	+ 22
ELONGATION CHANGE	-45	-37
VOLUME CHANGE, %	- 10 ~ + 5	- 10
E) NO. 3 OIL RESISTANCE @100 DEGREE C X 70 HRS		
HARDNESS CHANGE, POINTS	0 ~ - 15	+ 0
TENSILE STRENGTH CHANGE, %	- 45	- 28
ELONGATION CHANGE	-45	-21
VOLUME CHANGE, %	0 ~ + 35	+ 1
F) LOW TEMPERATURE BRITTLINESS		
TESTS AFTER 3MIN AT -53 DEGREE C		NONBRITTLE



NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.  
 THIS COMPOUND N4063B CAN MEET ASTM D2000 M5BG410 A14 B14 EO14 EO34 F18

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Test by:QC08