



The Manufacturer of Sealing Parts

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TEST REPORT

MATERIAL : NBR 50 BLACK LOW TEMPERATURE COMPOUND NO. : N5063B

A) PHYSICAL PROPERTIES

PRESS CURE @ 170 DEGREE C X 10 MIN

POST CURE @ 120 DEGREE C X 1HR

	REQUIREMENTS	TEST RESULTS
HARDNESS, SHORE A	50+/-5	55
TENSILE,STRENGTH, MPa ,min	8.0	11.8
ELONGATION, %,min	350	494
SPECIFIC GRAVITY		1.185

B) HEAT AGING @100°C X70HRS

HARDNESS CHANGE, POINTS	+/- 15	+9
TENSILE CHANGE, %	-20	+14
ELONGATION CHANGE, .%	-40	-10

C) COMPRESSION SET

CURING CONDITIONS

PRESS CURE @ 170 DEGREE C X 12 MIN

POST CURE @ 120 DEGREE C X 1 HR

HEAT AGING @ 100 DEGREE C X 22 HRS, % ,max	25	22
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D)ASTM NO.1 OIL IMMERSION @100°C X70HRS

HARDNESS CHANGE , POINTS	-5~+15	+10
TENSILE CHANGE, %	-25	+28
ELONGATION CHANGE, %	-45	-1
VOLUME CHANGE, %	-10~+5	-9

E)ASTM IRM 903 OIL IMMERSION @100°C X70HRS

HARDNESS CHANGE , POINTS	0~-15	-7
TENSILE CHANGE, %	-45	-14
ELONGATION CHANGE, %	-45	-17
VOLUME CHANGE, %	0~+35	+18

F) LOW TEMPERATURE BRITTLINESS

TESTS AFTER 3MIN AT -55 DEGREE C	NONBRITTLE
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NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.

THIS COMPOUND N5063B CAN MEET ASTM D2000 M5BG508 A14 B14 EO14 EO34 F19

QA Manager: Grace Chen

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Test by:QC08