

TEST REPORT

MATERIAL : NBR 70 DURO MEET AMS 3215
COMPOUND NO. : N7044B
A) PHYSICAL PROPERTIES

PRESS CURE @ 170 DEGREE C X 10 MIN

POST CURE @ 120 DEGREE C X 1 HR

HARDNESS , SHORE A

TENSILE STRENGTH, MPa ,min

ELONGATION, %,min

SPECIFIC GRAVITY

REQUIREMENTS	TEST RESULT
70+/- 5	72
10.3	13.4
250	388
	1.299

B) HEAT RESISTANCE @100°C X70HRS

HARDNESS CHANGE, POINTS

ENSILE CHANGE, %

ELONGATION CHANGE, %

0~+10	+1
-20	+3
-40	-6

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 70 HRS, %,max

75	43
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D)ASTM NO.1 OIL IMMERSION @100°C X70HRS

HARDNESS CHANGE , POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

---	+9
---	+9
---	-6
---	-8

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

HARDNESS CHANGE , POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

---	+5
---	+4
---	-12
---	+2

F) LOW TEMPERATURE BRITTLNESS,TEST METHODS D2137

METHOD A 9.3.2 NONBRITTLE AFTER 10MIN AT - 18°C

PASS	PASS
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NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
 THIS COMPOUND N7044B CAN MEET AMS 3215

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Test by:QC08

