

TEST REPORT

MATERIAL: XNBR 70 DURO BLACK COMPOUND NO. : X7001B

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

ELONGATION, %

SPECIFIC GRAVITY

REQUIREMENTS
TEST RESULT

70+/-5	74
14	15.8
250	298
	1.21

B) COMPRESSION SET

CURING CONDITIONS

PRESS CURE @170 DEGREE C X 12 MIN

POST CURE @120 DEGREE C X 1 HR

HEAT AGING @100°C X22HRS, %

25	23
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C) HEAT RESISTANCE @100°C X70HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

+15	+7
-20	+10
-40	-17

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

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

-5~+15	+9
-25	+3
-45	-34
-10~+5	-8

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

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

0~-15	-2
-45	-30
-45	-33
0~+35	+4

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
 THIS COMPOUND X7001B CAN MEET ASTM D2000 M5BG714 A14 B14 EO14 EO34


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