

TEST REPORT

MATERIAL : NBR 60 DURO BLACK WITH 41% PROPYLENE

COMPOUND NO. :N6003B

A) PHYSICAL PROPERTIES

PRESS CURE @ 170 DEGREE C X 10 MIN

POST CURE @ 120 DEGREE C X 1HR

HARDNESS, SHORE A

TENSILE, STRENGTH, MPa ,min

ELONGATION, %.min

SPECIFIC GRAVITY

REQUIREMENTS

TEST RESULTS

60+/-5

60

10

13.2

300

571

1.211

B) HEAT AGING @100°C X 70HRS

HARDNESS CHANGE, POINTS

+/-15

+1

TENSILE CHANGE, %

+/-30

+5

ELONGATION CHANGE, .%

-50

-12

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

17

D) ASTM NO.1 OIL IMMERSION @100°C X 70HRS

HARDNESS CHANGE, POINTS

-5~+10

+5

TENSILE CHANGE, %

-25

+18

ELONGATION CHANGE, %

-45

+0

VOLUME CHANGE, %

-10~+5

-9

E) ASTM IRM 903 OIL IMMERSION @100°C X 70HRS

HARDNESS CHANGE, POINTS

-10~+5

-9

TENSILE CHANGE, %

-45

-9

ELONGATION CHANGE, %

-45

-10

VOLUME CHANGE, %

0~+25

+10

NOTE: THE ABOVE TESTS WERE TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.

THIS COMPOUND N6003B CAN MEET ASTM D2000 M2BG610 A14 B14 EO14 EO34