

TEST REPORT

MATERIAL :HNBR50 DURO BLACK

COMPOUND NO:H5001B

A) PHYSICAL PROPERTIES

PRESS CURE @ 170DEGREE C X 10 MIN

POST CURE @ 120 DEGREE C X 1 HRS

HARDNESS SHORE A

TENSILE STRENGTH,MPa,min

ELONGATION, % ,min

SPECIFIC GRAVITY

REQUIREMENTS

50+/-5

8.0

2 5 0

TEST RESULT

54

12.4

3 2 9

1.144

B)HEAT AGING @ 150 DEGREE C X 70 HRS

HARDNESS CHANGE , POINTS

TENSILE STRENGTH CHANGE ,%

ELONGATION CHANGE ,%

+10

-25

-30

+5

+15

+3

C)COMPRESSION SET

HEAT AGING @ 150 DEGREE CX 22 HRS % .max

50

14

D)FLUID RESISTANCE,TEST METHOD NO.1.oil @ 150 DEGREE C X 70H

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE , %

ELONGATION CHAGNE, %

VOLUME CHANGE, %

-5~+10

-20

-30

-5~+5

+6

+45

+8

-5

E) FLUID RESISTANCE,TEST METHOD NO.3.oil @ 150 DEGREE C X 70H

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHAGNE, %

VOLUME CHANGE, %

-15

-40

-40

+25

-2

+4

-4

+2

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND H5001B CAN MEET ASTM D2000 M2DH508 A26 B36 EO16 EO36



QA Manager: Grace Chen

QC.Dept:Dolly Zhou

Test by:QC08