

TEST REPORT

MATERIAL :HNBR90 DURO RED

COMPOUND NO:H9001R

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

TEST RESULT

90+/-5

91

10

21.6

100

162

1.489

B)HEAT AGING @ 150 DEGREE C X 70 HRS

HARDNESS CHANGE , POINTS

+10

+1

TENSILE STRENGTH CHANGE ,%

-15

+3

ELONGATOIN CHANGE ,%

-25

+42

C)COMPRESSION SET

HEAT AGING @ 150 DEGREE CX 22 HRS %,max

40

19

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

HARDNESS CHANGE, POINTS

-5~+10

+2

TENSILE STRENGTH CHANGE , %

-20

+2

ELONGATION CHAGNE, %

-30

-7

VOLUME CHANGE, %

-10~+5

-1

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

HARDNESS CHANGE, POINTS

-15

-8

TENSILE STRENGTH CHANGE, %

-40

-9

ELONGATION CHANGE , %

-30

-7

VOLUME CHANGE, %

+25

+13

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

THIS COMPOUND H9001R CAN MEET ASTM D2000 M4DH910 A26 B16 EO16 EO36