

TEST REPORT

MATERIAL :HNBR90 DURO BROWN

COMPOUND NO:H9001N

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

90+/-5

10

100

TEST RESULT

91

23.2

151

1.458

B)HEAT AGING @ 150 DEGREE C X 70 HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

+10

-15

-25

+2

+5

-25

C)COMPRESSION SET

HEAT AGING @ 150 DEGREE C X 22 HRS %,max

35

14

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

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

-5~+10

-20

-30

-10~+5

+0

+0

+6

+0

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

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

-15

-40

-30

+25

-9

-15

+8

+14

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND H9001N CAN MEET ASTM D2000 M4DH910 A26 B16 EO16 EO36