

TEST REPORT

MATERIAL :HNBR70 DURO GREEN

COMPOUND NO:H7001G

A) PHYSICAL PROPERTIES

PRESS CURE @ 170DEGREE C X 10 MIN

POST CURE @ 150 DEGREE C X 4 HRS

HARDNESS SHORE A

TENSILE STRENGTH,MPa ,min

ELONGATION,%,min

SPECIFIC GRAVITY

REQUIREMENTS

70+/-5

10

200

TEST RESULT

75

19.7

333

1.258

B)HEAT AGING @ 150 DEGREE C X 70 HRS

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

+10

-25

-30

+3

+12

+2

C)COMPRESSION SET

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

30

12

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

±5

+1

+12

-26

-3

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

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

-15

-30

-30

+25

-6

-11

-18

+16

F) LOW TEMPERATURE BRITTLENESS

TESTS AFTER 3MIN AT -35 DEGREE C

NONBRITTLE

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

THIS COMPOUND H7001G CAN MEET ASTM D2000 M3DH710 A26 B16 EO16 EO36 F16 Z1(GREEN COLOR)