

**TEST REPORT**

MATERIAL :HNBR70 DURO BLUE

COMPOUND NO:H7001U

**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

70+/-5

10

200

TEST RESULT

75

19.0

324

1.335

**B)HEAT AGING @ 150 DEGREE C X 70 HRS**

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

+10

-25

-30

+4

-3

-25

**C)COMPRESSION SET**

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

30

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

+/-5

+3

+2

-28

-5

**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

-5

-22

-27

+10

**F)LOW TEMPERATURE BRITTLENESS**

TESTS AFTER 3MIN AT -41°C

NONBRITTLE

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.  
THIS COMPOUND H7001U CAN MEET ASTM D2000 M3DH710 A26 B16 EO16 EO36 F17