

TEST REPORT

MATERIAL :HNBR70 DURO BLACK LOW-TEMP

COMPOUND NO:H7063B

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

16

2.50

TEST RESULT

71

19.1

2.79

1.22

B)HEAT AGING @ 150 DEGREE C X 70 HRS

HARDNESS CHANGE , POINTS

+10

+6

TENSILE STRENGTH CHANGE ,%

-15

+0

ELONGATION CHANGE ,%

-25

-10

C)COMPRESSION SET

HEAT AGING @ 150 DEGREE CX 22 HRS %,max

40

15

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

HARDNESS CHANGE, POINTS

-5~+10

+1

TENSILE STRENGTH CHANGE , %

-20

+8

ELONGATION CHAGNE, %

-30

-13

VOLUME CHANGE, %

-10~+5

+2

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

HARDNESS CHANGE, POINTS

-15

-14

TENSILE STRENGTH CHANGE, %

-40

-29

ELONGATION CHANGE , %

-30

-15

VOLUME CHANGE, %

+25

+25

F)LOW TEMPERATURE BRITTLENESS

TESTS AFTER 3MIN AT -45°C

NONBRITTLE

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

THIS COMPOUND H7063B CAN MEET ASTM D2000 M4DH716 A26 B16 EO16 EO36 F17

TEMPERATURE RANGE:-45°C~150°C