



ESCORT SEAL

The Manufacturer of Sealing Parts

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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 硬度

TENSILE STRENGTH,MPa,min 拉力强度

ELONGATION,% min 延伸率

SPECIFIC GRAVITY 比重

REQUIREMENTS

70+/-5

16

250

TEST RESULT

72

20.3

315

1.23

B)HEAT AGING @ 150 DEGREE C X 70 HRS 老化试验

HARDNESS CHANGE , POINTS 硬度变化

TENSILE STRENGTH CHANGE , % 拉力强度变化率

ELONGATOIN CHANGE , % 延伸率变化率

+10

-15

-25

+5

+1

-8

C)COMPRESSION SET 压缩永久变形试验

HEAT AGING @ 150 DEGREE CX 22 HRS % ,max

40

20

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

HARDNESS CHANGE, POINTS S 硬度变化

TENSILE STRENGTH CHANGE , % 拉力强度变化率

ELONGATION CHAGNE, % 延伸率变化率

VOLUME CHANGE, % 体积变化率

-5~+10

-20

-30

-10~+5

-3

+0

-4

+5

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

HARDNESS CHANGE, POINTS 硬度变化

TENSILE STRENGTH CHANGE, % 拉力强度变化率

ELONGATION CHANGE , % 延伸率变化率

VOLUME CHANGE, % 体积变化率

-15

-40

-30

+25

-14

-33

-18

+25

F)LOW TEMPERATURE BRITTLENESS 低温脆性试验

TESTS AFTER 3MIN AT -50°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 F18

TEMPERATURE RANGE:-50°C~150°C

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QC.Dept:Dolly Zhou

Test by:QC08