



ESCORT SEAL

The Manufacturer of Sealing Parts

Escort Seal (Shanghai) Co., Ltd
NO.205 Jiangnan RD(E) Songjiang
Shanghai China
POSTAL CODE: 201613
Tel:(021)57747878
Fax:(021)57747979

Website: <http://www.seal.com.tw>

TEST REPORT

MATERIAL: NBR 70 DURO BLACK COMPOUND NO. : N7001B

BatchNo: 1900500924

A)PHYSICAL PROPERTIES:

PRESS CURE @170 DEGREE C X 10 MIN

POST CURE @150 DEGREE C X 1 HR

HARDNESS, SHORE A 硬度

TENSILE STRENGTH, MPa 拉力強度 min

ELONGATION, %延伸率 min

SPECIFIC GRAVITY 比重

REQUIREMENTS

TEST RESULT

70+/-5

70

14

15.6

250

389

1.22

B)A14 HEAT RESISTANCE ASTM D573 @100°C X70HRS 老化試驗

HARDNESS CHANGE, POINTS 硬度變化

+/-15

+3

TENSILE STRENGTH CHANGE, % 拉力強度變化

+/-30

+1

ELONGATION CHANGE, % 延伸率變化

-50

-20

C)B14 COMPRESSION SET ASTM D395 壓縮永久變形試驗

CURING CONDITIONS

PRESS CURE @170 DEGREE C X 10 MIN

POST CURE @150 DEGREE C X 1 HR

HEAT AGING @100°C X22HRS, % max

25

14

D)EO14 NO.1 OIL IMMERSIONN ASTM D471 @100°C X70HRS 耐 1#油試驗

HARDNESS CHANGE, POINTS 硬度變化

-5~+10

+6

TENSILE STRENGTH CHANGE, % 拉力強度變化

-25

+12

ELONGATION CHANGE, %延伸率變化

-45

-7

VOLUME CHANGE, % 體積變化

-10~+5

-8

E)EO34 IRM 903 OIL IMMERSIONN ASTM D471@100°C X70HRS 耐 903#油試驗

HARDNESS CHANGE, POINTS 硬度變化

-10~-+5

-2

TENSILE STRENGTH CHANGE, % 拉力強度變化

-45

+4

ELONGATION CHANGE, %延伸率變化

-45

-9

VOLUME CHANGE, % 體積變化

0~+25

+3

F) EA14 WATER RESISTANCE, ASTM D471 @100°C X 70HRS 耐水試驗

HARDNESS CHANGE, POINTS 硬度變化

+/-10

-7

VOLUME CHANGE, %體積變化

+/-15

+14

G)EF11 FUEL A RESISTANCE 耐 FUEL A 試驗

ASTM D471 @23DEGREE C X 70HRS

HARDNESS CHANGE, POINTS 硬度變化

+/-10

-7

TENSILE STRENGTH CHANGE, %拉力強度變化

-25

-11

ELONGATION CHANGE, %延伸率變化

-25

-12

VOLUME CHANGE, % 體積變化

-5~+10

+8

H) EF21 FUEL B RESISTANCE 耐 FUEL B 試驗

ASTM D471 @23DEGREE C X 70HRS

HARDNESS CHANGE, POINTS 硬度變化

0~-30

-16

TENSILE STRENGTH CHANGE, % 拉力強度變化

-60

-32

ELONGATION CHANGE, %延伸率變化

-60

-33

VOLUME CHANGE, % 體積變化

0~+40

+25

I) LOW TEMPERATURE TR-10

-27.8°C

J)F16 LOW TEMPERATURE BRITTLENESS

ASTM D2137 TESTS AFTER 3MIN AT -35 DEGREE C

NONBRITTLE

NOTE: 1.THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.

THIS COMPOUND N7001B CAN MEET ASTM D2000 M2BG714 A14 B14 EA14 EO14 EO34 EF11

EF21 F16. WORK TEMPERATURE RANGE:-30°C~100°C

QA Manager: Grace Chen

QC.Dept:Dolly Zhou

