

TEST REPORT

MATERIAL : NBR 90 DURO LOW TEMP COMPUND NO. : N9063B

A) PHYSICAL PROPERTIES:

PRESS CURE @170 DEGREE C X 10 MIN

POST CURE @120 DEGREE C X 1 HR

HARDNESS , SHORE A 硬度

TENSILE STRENGTH, MPa 拉力强度,min

ELONGATION, % 延伸率 ,min

SPECIFIC GRAVITY 比重

REQUIREMENT TEST RESULT

90+/-5 89

10 16.0

100 145

1.293

B)HEAT RESISTANCE @100°CX70HRS 老化试验

HARDNESS CHANGE, POINTS 硬度变化

+/-15 +1

TENSILE STRENGTH CHANGE, % 拉力强度变化率

-20 -4

LONGATION CHANGE, % 延伸率变化率

-40 -10

C)COMPRESSION SET 压缩永久变形试验

CURING CONDITIONS 加硫条件

PRESS CURE @170 DEGREE C X 12 MIN

POST CURE @120 DEGREE C X 1 HR

HEAT AGING @ 100°CX22HRS ,max

25 7

D)ASTM NO.1 OIL IMMERSION @100°CX70HRS 耐 1#油试验

HARDNESS CHANGE , POINTS 硬度变化

-5~+15 -1

TENSILE STRENGTH CHANGE, % 拉力强度变化率

-25 +7

ELONGATION CHANGE, % 延伸率变化率

-45 +13

VOLUME CHANGE, % 体积变化率

-10~+5 -2

E)ASTM IRM 903 OIL IMMERSION @100°CX70HRS 耐 903#油试验

HARDNESS CHANGE , POINTS 硬度变化

0~15 -12

TENSILE STRENGTH CHANGE, %拉力强度变化率

-45 -4

ELONGATION CHANGE, % 延伸率变化率

-45 -7

VOLUME CHANGE, %体积变化率

0~+35 +16

F) LOW TEMPERATURE BRITTLNESS 低温脆性试验

TESTS AFTER 3MIN AT -40 DEGREE C

NONBRITTLE

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

THIS COMPOUND N9063B CAN MEET ASTM D2000 M6BG910 A15 B14 EO14 EO34 F17

TEMPERATURE RANGE:-40°C~100°C.

QA.Manager:Grace Chen

QC.Dept:Dolly Zhou

Test by:QC08

