



**ESCORT SEAL**

*The Manufacturer of Sealing Parts*

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**TEST REPORT**

MATERIAL : NBR 90 DURO BLACK WITH MOS<sub>2</sub>      COMPOUND NO. : N9047B

**A) PHYSICAL PROPERTIES**

PRESS CURE@170 DEGREE C X 10 MIN

POST CURE@120 DEGREE C X 1HR

	REQUIREMENTS	TEST RESULT
HARDNESS ,SHORE A 硬度	90+/-5	87
TENSILE, STRENGTH MPA 拉力強度.min	10	11.8
ELONGATION, %延伸率.min	100	185
SPECIFIC GRAVITY 比重		1.387

**C)HEAT RESISTANCE @ 100°C X70HRS**

HARDNESS CHANGE, POINTS 硬度變化	+15	+5
TENSILE STRENGTH CHANGE, % 拉力強度	-20	-4
ELONGATION CHANGE, % 延伸率	-40	-12

**B)COMPRESSION SET 壓縮永久變形試驗**

CURING CONDITIONS

PRESS CURE@170 DEGREE C X 12 MIN

POST CURE@120 DEGREE C X 1HR

HEAT AGING@100 DEGREE C X 22HRS.% ,max	25	16
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**D)ASTM NO.1 OIL IMMERSION @ 100°C X70HRS 耐 1#油試驗**

HARDNESS CHANGE , POINTS 硬度變化	-5~+15	+3
TENSILE STRENGTH CHANGE, % 拉力強度變化	-25	-9
ELONGATION CHANGE, % 延伸率變化	-45	-12
VOLUME CHANGE % 體積變化	-10~+5	-5

**E)ASTM IRM 903 OIL IMMERSION @ 100°C X70HRS 耐 3#油試驗**

HARDNESS CHANGE , POINTS 拉力強度變化	0~-20	-13
TENSILE STRENGTH CHANGE, % 拉力強度變化	-45	-10
ELONGATION CHANGE, % 延伸率變化	-45	-14
VOLUME CHANGE, % 體積變化	0~+35	+17

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

THIS COMPOUND N9047B CAN MEET ASTM D2000 M6BG910 A14 B14 EO14 EO34 Z1 (Z1=WITH 5% MOS<sub>2</sub>)

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Test by:QG08

