



ESCORT SEAL

The Manufacturer of Sealing Parts

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TEST REPORT

MATERIAL: NBR 70 DURO BLACK LUB COMPOUND NO. : N7023B

A) PHYSICAL PROPERTIES:

PRESS CURE @170 DEGREE C X 10 MIN

POST CURE @120 DEGREE C X 1 HR

	REQUIREMENTS	TEST RESULT
HARDNESS, SHORE A 硬度	70+/-5	70
TENSILE STRENGTH, MPa 拉力強度 min	10	14.1
ELONGATION, %延伸率 min	250	279
SPECIFIC GRAVITY 比重		1.221

B)HEAT RESISTANCE @100°C X70HRS 老化試驗

HARDNESS CHANGE, POINTS 硬度變化	+/-15	+1
TENSILE STRENGTH CHANGE, % 拉力強度變化	+/-30	+2
ELONGATION CHANGE, % 延伸率變化	-50	-20

C)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 1 HR

HEAT AGING @100°C X22HRS, % max	25	10
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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~+10	+5
TENSILE STRENGTH CHANGE, % 拉力強度變化	-25	+8
ELONGATION CHANGE, %延伸率變化	-45	-21
VOLUME CHANGE, % 體積變化	-10~+5	-8

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

HARDNESS CHANGE, POINTS 硬度變化	-10~-+5	-10
TENSILE STRENGTH CHANGE, % 拉力強度變化	-45	-17
ELONGATION CHANGE, %延伸率變化	-45	-11
VOLUME CHANGE, % 體積變化	0~+25	+13

NOTE: 1.THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND N7023B CAN MEET ASTM D2000 M2BG710 A14 B14 EO14 EO34 Z1(Z1=LUB)

QA Manager: Grace Chen

QC.Dept:Dolly Zhou

Test by:QC08

