

TEST REPORT

MATERIAL : NBR 80 DURO BLACK HIGH POLYMER COMPOUND NO. : N8003B

A)PHYSICAL PROPERTIES

PRESS CURE@170DEGREE C X10 MIN

POST CURE@120DEGREE C X1 HR

	REQUIREMENTS	TEST RESULT
HARDNESS , SHORE A 硬度	80+/-5	79
TENSILE STRENGTH , MPa 拉力強度 ,min	14	19.7
ELONGATION, %延伸率 ,min	125	393
SPECIFIC GRAVITY 比重		1.25

B)HEAT AGING @100°C X70HRS 老化試驗

HARDNESS CHANGE, POINTS 硬度變化	+15	+2
TENSILE STRENGTH CHANGE, % 拉力強度變化	-20	-2
ELONGATION CHANGE, % 延伸率變化	-40	-13

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 1HRS

HEAT AGING @ 100 DEGREE C X 22 HRS, %,max	25	9
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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	+3
ELONGATION CHANGE, %延伸率變化	-45	-10
VOLUME CHANGE, % 體積變化	-10~+5	-4

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

HARDNESS CHANGE , POINTS 硬度變化	0~-20	-2
TENSILE STRENGTH CHANGE, %拉力強度變化	-45	+1
ELONGATION CHANGE, %延伸率變化	-45	-11
VOLUME CHANGE, % 體積變化	0~+35	+3

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

THIS COMPOUND N8003B CAN MEET ASTM D2000 M6BG814 A14 B14 EO14 EO34 Z1

(Z1=HIGH POLYMER)

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