

TEST REPORT
MATERIAL : NBR 80 DURO BLACK COMPOUND NO. : N8001B
A)PHYSICAL PROPERTIES

PRESS CURE@170KEGREE C X10 MIN		
POST CURE@120DEGREE C X1 HR		
HARDNESS , SHORE A 硬度	80+/-5	83
TENSILE STRENGTH , MPa 拉力強度 ,min	10	16.2
ELONGATION, %延伸率 ,min	125	231
SPECIFIC GRAVITY 比重		1.224

B)HEAT AGING @100°C X70HRS 老化試驗

HARDNESS CHANGE, POINTS 硬度變化	+15	+01
TENSILE STRENGTH CHANGE, % 拉力強度變化	-20	+9
ELONGATION CHANGE, % 延伸率變化	-40	+4

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	7

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

HARDNESS CHANGE , POINTS 硬度變化	-5~+15	+0
TENSILE STRENGTH CHANGE, % 拉力強度變化	-25	+9
ELONGATION CHANGE, % 延伸率變化	-45	-3
VOLUME CHANGE, % 體積變化	-10~+5	-4

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

HARDNESS CHANGE , POINTS 硬度變化	0~-20	-5
TENSILE STRENGTH CHANGE, % 拉力強度變化	-45	-21
ELONGATION CHANGE, % 延伸率變化	-45	-31
VOLUME CHANGE, % 體積變化	0~+35	+7

F)LOW TEMPERATURE BRITTLENESS 耐低溫試驗

 TESTS AFTER 3MIN AT -30 DEGREE C NONBRITTLE

 NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
 THIS COMPOUND N8001B CAN MEET ASTM D2000 M6BG810 A14 B14 E01 E03


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Test by:QC08