

**TEST REPORT**

MATERIAL :HNBR80 DURO BLACK LOW TEMPERATURE      COMPOUND NO:H8063B

**A) PHYSICAL PROPERTIES**

PRESS CURE @ 170DEGREE C X 10 MIN

POST CURE @ 130 DEGREE C X 3 HRS

	REQUIREMENTS	TEST RESULT
HARDNESS SHORE A 硬度	80+/-5	82
TENSILE STRENGTH,MPa,min 拉力强度	10	15.5
ELONGATION,%,min 延伸率	175	176
SPECIFIC GRAVITY , 比重		1.287

**B)HEAT AGING @ 150 DEGREE C X 70 HRS 老化试验**

HARDNESS CHANGE , POINTS,硬度变化	+10	+3
TENSILE STRENGTH CHANGE ,% 拉力强度变化率	-15	-6
ELONGATOIN CHANGE ,% 延伸率变化率	-25	-14

**C)COMPRESSION SET 压缩永久变形试验**

HEAT AGING @ 150 DEGREE CX 22 HRS %,max	35	14
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**D)FLUID RESISTANCE,TEST METHOD NO.1.oil @ 150 DEGREE C X 70H 耐 1#油试验**

HARDNESS CHANGE, POINTS 硬度变化	-5~+10	+6
TENSILE STRENGTH CHANGE , % 拉力强度变化率	-20	+10
ELONGATION CHAGNE, % 延伸率变化率	-30	-13
VOLUME CHANGE, % 体积变化率	-10~+5	-5

**E) FLUID RESISTANCE,TEST METHOD NO.3.oil @ 150 DEGREE C X 70H 耐 3#油试验**

HARDNESS CHANGE, POINTS 硬度变化	-15	-15
TENSILE STRENGTH CHANGE, % 拉力强度变化率	-40	-6
ELONGATION CHANGE , % 延伸率变化率	-30	-6
VOLUME CHANGE, % 体积变化率	+25	+22

**F) LOW TEMPERATURE BRITTLINESS 低温脆性试验**

TESTS AFTER 3MIN AT -45 DEGREE C      NONBRITTLE

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

THIS COMPOUND H8063B CAN MEET ASTM D2000 M3DH810 A26 B16 EO16 EO36 F17

TEMPERATURE RANGE:-45℃~150℃.

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