

## TEST REPORT

MATERIAL : SIL80 DURO RED      COMPOUND NO. S8001R

### A)PHYSICAL PROPERTIES

PRESS CURE @170 DEGREE C X 10MIN)

POST CURE @200 DEGREE C X 4HRS

	REQUIREMENTS	TEST RESULT
HARDNESS ,SHORE A 硬度	80+/-5	82
TENSILE STRENGTH, MPa,min 拉力强度	6.0	6.2
ELONGATION, %,min 延伸率	100	101
SPECIFIC GRAVITY 比重		1.414

### B) HEAT RESISTANCE @225 DEGREE C X 70 HRS 老化试验

HARDNESS CHANGE, PTS 硬度变化

+10      +3

TENSILE STRENGTH CHANGE, %拉力强度变化率

-25      +24

ELONGATION CHANGE, %延伸率变化率

-30      -14

### C)COMPRESSION SET:压缩永久变形试验

PRESS CURE @170 DEGREE C X 20MIN)

POST CURE @200 DEGREE C X 4HRS

HEAT AGING @175 DEGREE C X 22 HRS ,max      25      23

### D) ASTM NO. 1 OIL: @150 DEGREE C X 70 HRS 耐 1#油试验

HARDNESS CHANGE, POINTS 硬度变化

0~-15      -5

TENSILE STRENGTH CHANG, %拉力强度变化率

-20      +8

ELONGATION CHANGE, %延伸率变化率

-20      -9

VOLUME CHANGE, % 体积变化率

0~+10      +6

### E) ASTM NO. 3 OIL: @150 DEGREE C X 70 HRS 耐 3#油试验

HARDNESS CHANGE, PTS 硬度变化

-30      -17

VOLUME CHANGE, %体积变化率

+60      +31

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

TESTS AFTER 3MIN AT -55 DEGREE C

NONBRITTLE

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

THIS COMPOUND S8001R CAN MEET ASTM D2000 M5GE806 A19 B37 EO16 EO36 F19

TEMPERATURE RANGE:-55 °C~180 °C



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Test by:QC08