

TEST REPORT

MATERIAL : SIL 40 DURO RED

COMPOUND NO. : S4001R

A) PHYSICAL PROPERTIES

PRESS CURE @ 170 DEGREE C X 10MIN

POST CURE @ 200 DEGREE C X 4 HRS

HARDNESS, SHORE A 硬度

TENSILE STRENGTH, MPa ,min 拉力强度

ELONGATION, %,min 延伸率

SPECIFIC GRAVITY 比重

| REQUIREMENT | TEST RESULT |
|-------------|-------------|
| 40+/-5 | 42 |
| 5.0 | 6.7 |
| 300 | 330 |
| | 1.108 |

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

HARDNESS CHANGE, PTS 硬度变化

TENSILE STRENGTH CHANGE, % 拉力强度变化率

ELONGATION CHANGE, % 延伸率变化率

| | |
|-----|-----|
| +10 | +3 |
| -25 | -15 |
| -30 | -10 |

C) COMPRESSION SET 压缩永久变形试验

CURING CONDITIONS

PRESS CURE @ 170 DEGREE C X 20 MIN

POST CURE @ 200 DEGREE C X 4 HRS

HEAT AGING @ 175 DEGREE C X 22HRS, % ,max

| | |
|----|----|
| 25 | 16 |
|----|----|

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

HARDNESS CHANGE, POINTS 硬度变化

TENSILE STRENGTH CHANGE % 拉力强度变化率

ELONGATION CHANGE, % 延伸率变化率

VOLUME CHANGE, % 体积变化率

| | |
|-------|-----|
| 0~-10 | -7 |
| -30 | -13 |
| -30 | -6 |
| 0~+15 | +12 |

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

HARDNESS CHANGE, POINTS 硬度变化

VOLUME CHANGE, % 体积变化率

| | |
|-----|-----|
| --- | +15 |
| +60 | +59 |

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND S4001R CAN MEET ASTM D2000 M2GE405 A19 B37 EO16 EO36
TEMPERATURE RANGE: -55°C ~ 180°C

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