

TEST REPORT

MATERIAL :CR 40 DURO BLACK

COMPOUND NO:C4001B

A) PHYSICAL PROPERTIES

PRESS CURE @ 170DEGREE C X 10 MIN)

| | REQUIREMENT | TEST RESULT |
|---------------------------------|-------------|-------------|
| HARDNESS SHORE A 硬度 | 40+/-5 | 43 |
| TENSILE STRENGTH, MPa, min 拉力強度 | 7.0 | 7.3 |
| ELONGATION, % ,min 延伸率 | 400 | 419 |
| SPECIFIC GRAVITY 比重 | | 1.345 |

B)HEAT AGING @ 100 DEGREE C X 70 HRS 老化試驗

| | | |
|-------------------------------------|-----|-----|
| HARDNESS CHANGE , POINTS 硬度變化 | +15 | +4 |
| TENSILE STRENGTH CHANGE , % 拉力強度變化率 | -15 | -12 |
| ELONGATION CHANGE , % 延伸率變化率 | -40 | -26 |

C)COMPRESSION SET 壓縮永久變形試驗

| | | |
|---|----|----|
| HEAT AGING @ 100 DEGREE C X 22 HRS % ,max | 35 | 32 |
|---|----|----|

D)FLUID RESISTANCE,TEST METHOD NO.1.oil @ 100 DEGREE C X 70H 耐 1#油試驗

| | | |
|-------------------------------------|---------|-----|
| HARDNESS CHANGE , points 硬度變化 | +/-10 | +7 |
| TENSILE STRENGTH CHANGE , % 拉力強度變化率 | -30 | +36 |
| ELONGATION CHANGE , % 延伸率變化率 | -30 | -5 |
| VOLUME CHANGE, % 體積變化率 | -10~+15 | -9 |

E) FLUID RESISTANCE,TEST METHOD NO.3.oil @ 100 DEGREE C X 70H 耐 3#油試驗

| | | |
|-------------------------------------|------|-----|
| TENSILE STRENGTH CHANGE , % 拉力強度變化率 | -70 | -69 |
| ELONGATION CHANGE , % 延伸率變化率 | -55 | -37 |
| VOLUME CHANGE, % 體積變化率 | +120 | +70 |

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND C4001B CAN MEET ASTM D2000 M2BC407 A14 B14 EO14 EO34

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