

TEST REPORT

MATERIAL :FLUOSIL80 DURO BLACK

COMPOUND NO:F8001B

| A)PHYSICAL PROPERTIES (PRESS CURE @ 165 DEGREE C X 10 MIN) | REQUIREMENTS | TEST RESULT |
|---|--------------|-------------|
| HARDNESS SHORE A 硬度 | 80+/-5 | 81 |
| TENSILE STRENGTH,Mpa 拉力強度,min | 6.0 | 8.3 |
| ELONGATION,%延伸率,min | 150 | 193 |
| SPECIFIC GRAVITY 比重 | | 1.494 |
| B)HEAT AGING @ 225 DEGREE C X 70 HRS 老化試驗 | | |
| HARDNESS CHANGE , 硬度變化 | +15 | +4 |
| TENSILE STRENGTH CHANGE ,% 拉力強度變化 | -45 | -13 |
| ELONGATION CHANGE ,% 延伸率變化 | -45 | -35 |
| C)COMPRESSION SET 壓縮永久變形試驗 | | |
| HEAT AGING @ 175 DEGREE C X 22 HRS % ,max | 50 | 23 |
| D)FLUID RESISTANCE,TEST METHOD D471,NO.3 OIL @ 150DEGREE C X 70H 耐 3#油試驗 | | |
| HARDNESS CHANGE ,MAX POINTS 硬度變化 | 0~-10 | +0 |
| TENSILE STRENGTH CHANGE ,% 拉力強度變化 | -35 | -2 |
| ELONGATOIN CHANGE ,% 延伸率變化 | -30 | -16 |
| VOLUME CHANGE 體積變化 | 0~+10 | +2 |
| E) TT-S-735 TYPE III FUEL RESISTANCE : 23 DEGREE C X22H 燃油試驗 | | |
| HARDNESS CHANGE ,MAX POINTS 硬度變化 | 0~-15 | -15 |
| TENSILE STRENGTH CHANGE ,% 拉力強度變化 | -60 | -18 |
| ELONGATOIN CHANGE ,%延伸率變化 | -50 | -6 |
| VOLUME CHANGE 體積變化 | 0~+25 | +17 |
| F) LOW TEMPERATURE BRITTLENESS 耐低溫試驗 | | |
| TESTS AFTER 3MIN AT -55 DEGREE C | | NONBRITTLE |

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND F8001B CAN MEET ASTM D2000 M2FK806 A19 EF31 EO36 F19

QA Manager: Grace Chen

QC.Dept:Dolly Zhou

Test by:QC08