

## TEST REPORT

MATERIAL : ACM 80 DURO BLACK

COMPOUND NO: A8001B

| Physical Properties (Press Cure:170°CX10min Post Cure:175°CX3h) | Requirement | Test result |
|-----------------------------------------------------------------|-------------|-------------|
| Hardness, Point 硬度(邵A)                                          | 75.00~85.00 | 83.00       |
| Tensile Strength, min, Mpa 拉力強度                                 | 7.00        | 11.50       |
| Ultimate Elongation, min, % 延伸率                                 | 100.00      | 138.00      |
| Specific Gravity, 比重                                            |             | 1.34        |

### Heat Resistance 70h@175°C 老化試驗

|                                                |        |        |
|------------------------------------------------|--------|--------|
| Change in hardness, max, Point 硬度變化(邵A)        | +10.00 | +2.00  |
| Change in tensile strength, max, % 拉伸強度變化率     | -30.00 | -8.00  |
| Change in ultimate elongation, max, % 扯斷伸長率變化率 | -40.00 | -10.00 |

### Compression Set 22h@175°C 壓縮永久變形試驗

|                                          |       |       |
|------------------------------------------|-------|-------|
| Compression set, Method B, max, % 壓縮永久變形 | 60.00 | 27.00 |
|------------------------------------------|-------|-------|

### Fluid Resistance No.1 Oil Resistance 70h@150°C 1號油試驗

|                                              |        |        |
|----------------------------------------------|--------|--------|
| Change in hardness, Point 硬度變化               | ±5.00  | +1.00  |
| Change in tensile strength, max, % 拉力強度變化率   | -20.00 | +16.00 |
| Change in ultimate elongation, max, % 延伸率變化率 | -30.00 | -2.00  |
| Change in volume, % 體積變化率                    | ±5.00  | -1.00  |

### Fluid Resistance No.3 Oil Resistance 70h@150°C 3號油試驗

|                                              |        |        |
|----------------------------------------------|--------|--------|
| Change in hardness, Point 硬度變化               | -20.00 | -9.00  |
| Change in tensile strength, max, % 拉力強度變化率   | -40.00 | +7.00  |
| Change in ultimate elongation, max, % 延伸率變化率 | -30.00 | -12.00 |
| Change in volume, % 體積變化率                    | +25.00 | +11.00 |

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY  
THIS COMPOUND A8001B CAN MEET ASTM 2000 M3EH807A27B17EO16EO36