



The Manufacturer of Sealing Parts

Escort Seal (Shanghai) Co., Ltd  
NO.205 Jiangnan RD(E), Songjiang  
Shanghai China  
Postal Code: 201613  
Tel:(021)57747878  
Fax:(021)51685279  
Website: <https://www.escort.com.cn/CN>

## TEST REPORT

MATERIAL : SIL 50 DURO BLACK

COMPOUND NO: S5001B

| Physical Properties (Press Cure:170°CX10min Post Cure:200°CX4h) | Requirement | Test result |
|-----------------------------------------------------------------|-------------|-------------|
| Hardness, Point 硬度(邵A)                                          | 45.00~55.00 | 52.00       |
| Tensile Strength, min, Mpa 拉力強度                                 | 6.00        | 7.50        |
| Ultimate Elongation, min, % 延伸率                                 | 250.00      | 263.00      |
| Specific Gravity, 比重                                            |             | 1.14        |
| Heat Resistance 70h@225°C 老化試驗                                  |             |             |
| Change in hardness, max, Point 硬度變化(邵A)                         | +10.00      | +1.00       |
| Change in tensile strength, max, % 拉伸強度變化率                      | -25.00      | -16.00      |
| Change in ultimate elongation, max, % 扯斷伸長率變化率                  | -30.00      | -21.00      |
| Compression Set 22h@175°C 壓縮永久變形試驗                              |             |             |
| Compression set, Method B, max, % 壓縮永久變形                        | 25.00       | 11.00       |
| Fluid Resistance No.1 Oil Resistance 70h@150°C 1號油試驗            |             |             |
| Change in hardness, Point 硬度變化                                  | -15.00~0.00 | -8.00       |
| Change in tensile strength, max, % 拉力強度變化率                      | -20.00      | +3.00       |
| Change in ultimate elongation, max, % 延伸率變化率                    | -20.00      | -4.00       |
| Change in volume, % 體積變化率                                       | 0.00~10.00  | +6.00       |
| Fluid Resistance No.3 Oil Resistance 70h@150°C 3號油試驗            |             |             |
| Change in hardness, Point 硬度變化                                  | -30.00      | -19.00      |
| Change in tensile strength, max, % 拉力強度變化率                      | +60.00      | +37.00      |

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY  
THIS COMPOUND S5001B CAN MEET ASTM 2000 M5GE506A19B37EO16EO36

