



The Manufacturer of Sealing Parts

Escort Seal Co., Ltd  
No. 22, Beiyuan Road, Zhongli District  
Taoyuan City 320023, Taiwan  
Postal Code: 320  
Tel: 886-3-451-5000  
Fax: 886-3-451-0123  
Website: <http://www.seal.com.tw>

## TEST REPORT

MATERIAL : FKM 60 DURO BLACK

COMPOUND NO: V6001B

| Physical Properties (Press Cure: 170°C X 10min Post Cure: 230°C X 24h) | Requirement | Test result |
|------------------------------------------------------------------------|-------------|-------------|
| Hardness, Point 硬度(邵A)                                                 | 55.00~65.00 | 59.00       |
| Tensile Strength, min, Mpa 拉力強度                                        | 7.00        | 1531.00     |
| Ultimate Elongation, min, % 延伸率                                        | 200.00      | 281.00      |
| Specific Gravity, 比重                                                   |             | 1.85        |

### Heat Resistance 70h@250°C 老化試驗

|                                                |        |       |
|------------------------------------------------|--------|-------|
| Change in hardness, Point 硬度變化(邵A)             | +10.00 | -0.20 |
| Change in tensile strength, max, % 拉伸強度變化率     | -25.00 | -3.00 |
| Change in ultimate elongation, max, % 扯斷伸長率變化率 | -25.00 | +2.00 |
| Change in volume, % 體積變化率                      |        | -3.20 |

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

|                                          |    |      |
|------------------------------------------|----|------|
| Compression set, Method B, max, % 壓縮永久變形 | 50 | 7.00 |
|------------------------------------------|----|------|

### Fluid Resistance Fuel C Resistance 70h@23°C 燃油C試驗

|                                              |            |        |
|----------------------------------------------|------------|--------|
| Change in hardness, Point 硬度變化               | ±5.00      | -4.20  |
| Change in tensile strength, max, % 拉力強度變化率   | -25.00     | -18.00 |
| Change in ultimate elongation, max, % 延伸率變化率 | -20.00     | -12.00 |
| Change in volume, % 體積變化率                    | 0.00~10.00 | +4.60  |

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY  
THIS COMPOUND V6001B CAN MEET ASMT 2000 M2HK607A1-10B37EF31