



The Manufacturer of Sealing Parts

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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
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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

