

TEST REPORT

MATERIAL : NBR 70 DURO NSF - 61 BLACK

COMPOUND NO: N7051B

Physical Properties (Press Cure: 170°C X 10min Post Cure: 150°C X 1h)	Requirement	Test result
Hardness, Point 硬度(邵A)	65.00~75.00	68.90
Tensile Strength, min, Mpa 拉力強度	14.00	2320.00
Ultimate Elongation, min, % 延伸率	250.00	603.00
Specific Gravity, 比重		1.18

Heat Resistance 70h@100°C 老化試驗		
Change in hardness, Point 硬度變化(邵A)	±15.00	+2.80
Change in tensile strength, max, % 拉伸強度變化率	±30.00	+2.00
Change in ultimate elongation, max, % 扯斷伸長率變化率	-50.00	-12.00
Change in volume, % 體積變化率		-0.60

Compression Set 22h@100°C 壓縮永久變形試驗		
Compression set, Method B, max, % 壓縮永久變形	25.00	13.00

Fluid Resistance Aqueous Resistance 70h@100°C 耐水試驗		
Volume change, % 體積變化率	±15.00	+9.40
Change in hardness, Point 硬度變化	±10.00	-2.70

Fluid Resistance Fuel A Resistance 70h@23°C 燃油A試驗		
Change in hardness, Point 硬度變化	±10.00	-2.00
Change in tensile strength, max, % 拉力強度變化率	-25.00	-8.00
Change in ultimate elongation, max, % 延伸率變化率	-25.00	-8.00
Change in volume, % 體積變化率	-5.00~10.00	+1.70

Fluid Resistance Fuel B Resistance 70h@23°C 燃油B試驗		
Change in hardness, Point 硬度變化	-30.00~0.00	-17.40
Change in tensile strength, max, % 拉力強度變化率	-60.00	-39.00
Change in ultimate elongation, max, % 延伸率變化率	-60.00	-37.00
Change in volume, % 體積變化率	0.00~40.00	+32.80



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>

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Fluid Resistance No.1 Oil Resistance 70h@100°C 1號油試驗

Change in hardness,Point 硬度變化	-5.00~10.00	+1.10
Change in tensile strength,max,% 拉力強度變化率	-25.00	+6.00
Change in ultimate elongation,max,% 延伸率變化率	-45.00	-16.00
Change in volume,% 體積變化率	-10.00~5.00	-1.30

Fluid Resistance No.3 Oil Resistance 70h@100°C 3號油試驗

Change in hardness,Point 硬度變化	-10.00~5.00	-4.60
Change in tensile strength,max,% 拉力強度變化率	-45.00	-5.00
Change in ultimate elongation,max,% 延伸率變化率	-45.00	-9.00
Change in volume,% 體積變化率	0.00~25.00	+10.40

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY
THIS COMPOUND N7051B CAN MEET ASMT 2000
M2BG714A14B14EA14EF11EF21EO14EO34