

The Manufacturer of Sealing Parts

TEST REPORT

MATERIAL : NBR 50 DURO BLACK

COMPOUND NO: N5001B

Physical Properties (Press Cure:170°CX10min Post Cure:150°CX1h)	Requirement	Test result
Hardness, Point 硬度(邵A)	45.00~55.00	52.30
Tensile Strength, min, Mpa 拉力強度	8.00	1823.00
Ultimate Elongation, min, % 延伸率	350.00	620.00
Specific Gravity, 比重		1.19

Heat Resistance 70h@100°C 老化試驗		
Change in hardness, Point 硬度變化(邵A)	±15.00	+4.00
Change in tensile strength, max, % 拉伸強度變化率	±30.00	+5.00
Change in ultimate elongation, max, % 扯斷伸長率變化率	-50.00	-8.00
Change in volume, % 體積變化率		-4.80

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	9.00

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	+4.40
Change in tensile strength, max, % 拉力強度變化率	-25.00	-1.00
Change in ultimate elongation, max, % 延伸率變化率	-45.00	-23.00
Change in volume, % 體積變化率	-10.00~5.00	-9.00

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	-2.80
Change in tensile strength, max, % 拉力強度變化率	-45.00	-1.00
Change in ultimate elongation, max, % 延伸率變化率	-45.00	-11.00
Change in volume, % 體積變化率	0.00~25.00	+2.30

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY

THIS COMPOUND N5001B CAN MEET ASMT 2000 M2BG508A14B14EO14EO34