

TEST REPORT

MATERIAL : NBR 40 DURO BLACK

COMPOUND NO: N4001B

Physical Properties (Press Cure:170°CX10min Post Cure:150°CX1h)	Requirement	Test result
Hardness, Point 硬度(邵A)	35.00~45.00	39.60
Tensile Strength, min, Mpa 拉力強度	7.00	2090.00
Ultimate Elongation, min, % 延伸率	450.00	837.00
Specific Gravity, 比重		1.14

Heat Resistance 70h@100°C 老化試驗		
Change in hardness, Point 硬度變化(邵A)	+15.00	+3.70
Change in tensile strength, max, % 拉伸強度變化率	-20.00	+4.00
Change in ultimate elongation, max, % 扯斷伸長率變化率	-40.00	-8.00
Change in volume, % 體積變化率		-0.70

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	15.00

Fluid Resistance No.1 Oil Resistance 70h@100°C 1號油試驗		
Change in hardness, Point 硬度變化	-5.00~15.00	-0.90
Change in tensile strength, max, % 拉力強度變化率	-25.00	+15.00
Change in ultimate elongation, max, % 延伸率變化率	-45.00	-3.00
Change in volume, % 體積變化率	-10.00~5.00	-5.40

Fluid Resistance No.3 Oil Resistance 70h@100°C 3號油試驗		
Change in hardness, Point 硬度變化	-15.00~0.00	-5.60
Change in tensile strength, max, % 拉力強度變化率	-45.00	-11.00
Change in ultimate elongation, max, % 延伸率變化率	-45.00	-6.00
Change in volume, % 體積變化率	0.00~35.00	+7.60

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

THIS COMPOUND N4001B CAN MEET ASMT 2000 M5BG407A14B14EO14EO34