

TEST REPORT

MATERIAL : ACM 70 DURO BLACK

COMPOUND NO: A7001B

Physical Properties (Press Cure: 170°C X 10min Post Cure: 175°C X 3h)	Requirement	Test result
Hardness, Point 硬度(邵A)	65.00~75.00	71.60
Tensile Strength, min, Mpa 拉力強度	9.00	1642.00
Ultimate Elongation, min, % 延伸率	125.00	177.00
Specific Gravity, 比重		1.32

Heat Resistance 70h@175°C 老化試驗		
Change in hardness, Point 硬度變化(邵A)	+10.00	+6.10
Change in tensile strength, max, % 拉伸強度變化率	-30.00	+3.00
Change in ultimate elongation, max, % 扯斷伸長率變化率	-40.00	+26.00
Change in volume, % 體積變化率		-6.10

Compression Set 22h@175°C 壓縮永久變形試驗		
Compression set, Method B, max, % 壓縮永久變形	60.00	50.00

Fluid Resistance No.1 Oil Resistance 70h@150°C 1號油試驗		
Change in hardness, Point 硬度變化	±5.00	+4.00
Change in tensile strength, max, % 拉力強度變化率	-20.00	+14.00
Change in ultimate elongation, max, % 延伸率變化率	-30.00	+3.00
Change in volume, % 體積變化率	±5.00	-4.60

Fluid Resistance No.3 Oil Resistance 70h@150°C 3號油試驗		
Change in hardness, Point 硬度變化	-20.00	-3.90
Change in tensile strength, max, % 拉力強度變化率	-40.00	+4.00
Change in ultimate elongation, max, % 延伸率變化率	-30.00	+5.00
Change in volume, % 體積變化率	+25.00	+6.30

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

THIS COMPOUND A7001B CAN MEET ASMT 2000 M3EH709A27B17EO16EO36