CHANG HORING RUBBER CO., LTD

TEST REPORT

MATERIAL : EP00470 DATE: 2011/9/15

Press Cure			Post Cure		
Sheet:	7 min	170 ℃	Sheet:	1 hr	120 ℃
Button:	10 min	170 ℃	Button:	1 hr	140 ℃

Spec. M2BA710A14B13C12F17

Original Properties:	Spec.	Result
Hardness Type A, ASTM D2240	70±5	70
Tensile strength, ASTM D412, Psi, Min	1450	1890
Elongation, ASTM D412, %, Min	250	332
Tear resistance, ASTM D624(Die C), Kgf/cm		36
Modulus at 100%, ASTM D412, Psi		569
Modulus at 200%, ASTM D412, Psi		1190
Modulus at 300%, ASTM D412, Psi		1728
Specific Gravity		1.133

A	Heat resistance, ASTM D573,		70 ℃ at 70 h	Spec.	Result
	Hardness Change	Point	Max		+1
	Tensile Strength Change	%,Max			-5
	Elongation Change	%,Max			-8
	Volume Change	%			0

A14	Heat resistance, ASTM D573,		100 ℃ at 70 h	Spec.	Result
	Hardness Change	Point	Max	±15	+2
	Tensile Strength Change	%,Max		±30	-6
	Elongation Change	%,Max		-50	-25
	Volume Change	%			+0.8

F17	Low-temperature resistance, ASTM D2137, Method A, 3 min at	-40℃	PASS

EA	Water resistance, ASTM D471,		100 ℃ at 70 h	Spec.	Result
	Hardness Change	Point	Max		-3
	Tensile Strength Change	%,Max			-7
	Elongation Change	%,Max			-25
	Volume Change	%			+4

A	Heat resistance, ASTM D573,		125 ℃ at 70 h	Spec.	Result
	Hardness Change	Point	Max		+3
	Tensile Strength Change	%,Max			+4
	Elongation Change	%,Max			-36
	Volume Change	%			0

EO	Fluid Resistance, ASTM D471, IRM903 Oil,		℃ at h	Spec.	Result
	Hardness Change	Point	Max		
	Tensile Strength Change	%,Max			
	Elongation Change	%,Max			
	Volume Change	%			

EF	Fluid resistance, ASTM D471, Reference Fuel A,		℃ at h	Spec.	Result
	Hardness Change	Point	Max		
	Tensile Strength Change	%,Max			
	Elongation Change	%,Max			
	Volume Change	%			

EF	Fluid resistance, ASTM D471, Reference Fuel B,		℃ at h	Spec.	Result
	Hardness Change	Point	Max		
	Tensile Strength Change	%,Max			
	Elongation Change	%,Max			
	Volume Change	%			

B13	Compression Set, ASTM D395, Method B,	70 ℃ at	22 h, %, Max	50	7
B	Compression Set, ASTM D395, Method B,	100 ℃ at	22 h, %, Max	Button	24
B	Compression Set, ASTM D395, Method B,	125 ℃ at	22 h, %, Max	Slab	63
B	Compression Set, ASTM D395, Method B,	100 ℃ at	70 h, %, Max	Slab	53

C12	Resistance to ozone, ASTM D1171, 50pphm × 40℃ × 72h 20%Elongation	PASS

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