

CHANG HORING RUBBER CO., LTD

TEST REPORT

MATERIAL : NB006772X DATE: 2017/03/01
 Press Cure Post Cure
 Sheet: 5 min 170 °C Sheet: 1 hr 140 °C
 Button: 10 min 170 °C Button: 1 hr 140 °C

Spec. ASTM D2000 M2BG714A14B14EA14EF11EF21EO14EO34

Original Properties:	Spec.	Result
Hardness Type A, ASTM D2240	70±5	72
Tensile strength, ASTM D412, Psi, Min	2031	2313
Elongation, ASTM D412, %, Min	250	278
Tear resistance, ASTM D624(Die C), Kg/cm	47	
Modulus at 100%, ASTM D412, Psi	653	
Modulus at 200%, ASTM D412, Psi	1684	
Modulus at 300%, ASTM D412, Psi		
Specific Gravity	1.244	

A14 Heat resistance, ASTM D573, _____ 100 °C at 70 h	Spec.	Result
Hardness Change Point Max	±15	+3
Tensile Strength Change %,Max	±30	+7
Elongation Change %,Max	-50	-14
Volume Change %		-2.9

A Heat resistance, ASTM D573, _____ °C at _____ h	Spec.	Result
Hardness Change Point Max		
Tensile Strength Change %,Max		
Elongation Change %,Max		
Volume Change %		

EA14 Water resistance, ASTM D471, _____ 100 °C at 70 h	Spec.	Result
Hardness Change Point Max	±10	-2
Tensile Strength Change %,Max		-3
Elongation Change %,Max		-8
Volume Change %	±15	+5.2

EO14 Fluid Resistance, ASTM D471, IRM901 Oil, _____ 100 °C at 70 h	Spec.	Result
Hardness Change Point Max	-5~+10	+7
Tensile Strength Change %,Max	-25	+10
Elongation Change %,Max	-45	-13
Volume Change %	-10~+5	-7.7

EO34 Fluid Resistance, ASTM D471, IRM903 Oil, _____ 100 °C at 70 h	Spec.	Result
Hardness Change Point Max	-10~+5	0
Tensile Strength Change %,Max	-45	+2
Elongation Change %,Max	-45	-12
Volume Change %	0~+25	+1.2

EF11 Fluid resistance, ASTM D471, Reference Fuel A, _____ 23 °C at 70 h	Spec.	Result
Hardness Change Point Max	±10	-2
Tensile Strength Change %,Max	-25	-4
Elongation Change %,Max	-25	-1
Volume Change %	-5~+10	0

EF21 Fluid resistance, ASTM D471, Reference Fuel B, _____ 23 °C at 70 h	Spec.	Result
Hardness Change Point Max	-30~0	-16
Tensile Strength Change %,Max	-60	-41
Elongation Change %,Max	-60	-36
Volume Change %	0~+40	+21.8

B14 Compression Set, ASTM D395, Method B, _____ 100 °C at 22 h, %, Max	25	9
B Compression Set, ASTM D395, Method B, _____ 125 °C at 22 h, %, Max	Button	14
B Compression Set, ASTM D395, Method B, _____ 100 °C at 70 h, %, Max	Button	14

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