DIGN SHEN ENTERPRISE CO., LTD.

TEST REPORT

MATERIAL: EP+SBR00770

Press Cure

Sheet: 7min 170 ℃

Button: 10min 170 ℃

Spec. ASTM D2000 M2AA710A13B13C12EA14F17

Original Properties:	Spec.	Result
Hardness Type A, ASTM D2240	70±5	69
Tensile strength, ASTM D412, Psi, Min	1450	1890
Elongation, ASTM D412, %, Min	350	470
Tear resistance, ASTm D624(Die C), Kgf/cm		40
Modulus at 100%, ASTM D412, Psi		
Modulus at 200%, ASTM D412, Psi		
Modulus at 300%, ASTM D412, Psi		
Specific Gravity		1.17

A13 Heat Resistance,ASTM D573	Spec.	Result
Hardness Change Point Max	±15	+6
Tensile Strength Change %,Max	±30	-5
Elongation Change %,Max	-50	-11
Volume Change %		-0.1

A Heat Resistance, ASTM D573, 100℃ at 70h	Spec.	Result
Hardness Change Point Max		+8
Tensile Strength Change %,Max		-10
Elongation Change %,Max		-39
Volume Change %		-0.4

B13 Compression Set, ASTM D395, Method B, 150 ℃ at 22 h, %, Max	50	26
B Compression Set, ASTM D395, Method B, 100 ℃ at 22 h, %, Max	Button	
B Compression Set, ASTM D395, Method B, 125 ℃ at 22 h, %, Max	Slab	
B Compression Set, ASTM D395, Method B, 100 ℃ at 70 h, %, Max	Slab	

C pphm X degree C X hours

C pphm X degree C X hours

EA14 Water Resistance, 100 ℃ at 70 h	Spec.	Result
Hardness Change Point Max		+6
Tensile Strength Change %,Max		-5
Elongation Change %,Max		-28
Volume Change %		+2.8

A Heat resistance, ASTm D573 125 ℃ at 70 h	Spec.	Result
Hardness Change Point Max		+14
Tensile Strength Change %,Max		-13
Elongation Change %,Max		-63
Volume Change %		-1.6

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

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

E Fluid Resistance, ASTM D471, ℃ at h	Result
Hardness Change Point Max	
Tensile Strength Change %,Max	
Elongation Change %,Max	
Volume Change %	

EF Fluid resistance, ASTM D471, ℃ at h	Result
Hardness Change Point Max	
Tensile Strength Change %,Max	
Elongation Change %,Max	
Volume Change %	

F17 Low-Temperature resistance, ASTM D2137, Method A, 3 min at -40 ℃	PASS
C12 Resistance to ozone, ASTM D1171, 50ppm x 40℃ x 72h 20% Elongation	PASS