

SO GIANT OIL SEAL INDUSTRIAL CO., LTD.

TEST REPORT
MATERIAL : AC00375A

Press Cure Post Cure Date: 2013/03/15
Sheet: 10 min 170 Sheet: 2 hr 180
Button: 10 min 170 Button: 3 hr 180

Spec: ASTM D2000 M5DF706A26B16EO16EO36Z:HD75+/-5

Original Properties:	Spec.	Result
Hardness Type A, ASTM D2240	Z 75±5	78
Tensile strength, ASTM D412, Psi, Min	870	1572
Elongation, ASTM D412, %, Min	100	169
Tear resistance, ASTM D624(Die C), kgf/cm		27
Modulus at 100 %, ASTM D412, Psi		1168
Modulus at 200 %, ASTM D412, Psi		
Modulus at 300 %, ASTM D412, Psi		
Specific Gravity		1.395

<u>A26 Heat resistance, ASTM D573, 150 at 70 h</u>		Spec.	Result
Hardness Change	Point Max	+ 10	+ 3
Tensile Strength Change	%,Max	- 25	+ 1
Elongation Change	%,Max	- 30	0
Volume Change	%		- 1.7

<u>A Heat resistance, ASTM D573, * h</u>	
Hardness Change	Point Max
Tensile Strength Change	%,Max
Elongation Change	%,Max
Volume Change	%

<u>EO16 Fluid Resistance, ASTM D471, IRM901 Oil, 150 at 70 h</u>			
Hardness Change	Point Max	- 8~ + 10	0
Tensile Strength Change	%,Max	- 30	+ 8
Elongation Change	%,Max	- 50	- 14
Volume Change	%	- 5~ + 10	0

<u>EO36 Fluid Resistance, ASTM D471, IRM903 Oil, 150 at 70 h</u>			
Hardness Change	Point Max	- 30	- 16
Tensile Strength Change	%,Max	- 60	- 6
Elongation Change	%,Max	- 50	+ 15
Volume Change	%	+ 50	+ 15.4

<u>Fluid resistance, ASTM D471, ATF(CPC), 150 at 70 h</u>			
Hardness Change	Point Max		- 9
Tensile Strength Change	%,Max		+ 4
Elongation Change	%,Max		- 5
Volume Change	%		+ 7.1

<u>EF Fluid resistance, ASTM D471, * h</u>			
Hardness Change	Point Max		
Tensile Strength Change	%,Max		
Elongation Change	%,Max		
Volume Change	%		

<u>EF Fluid resistance, ASTM D471, * h</u>			
Hardness Change	Point Max		
Tensile Strength Change	%,Max		
Elongation Change	%,Max		
Volume Change	%		

B16 Compression Set, ASTM D395, Method B, 150 at 22 h, %, Max	80	47
B Compression Set, ASTM D395, Method B, 150 at 22 h, %, Max	Slab	52
B Compression Set, ASTM D395, Method B, at h, %, Max		