



**SHANGRAO RUICHEN SEALING CO.,LTD**  
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**MATERIALS TEST REPORT**

**S7006 (SILICONE 70SH RED) COMPOUND**

**ASTM D2000 M5GE 706 A19 B37 E016 E036 F19**

Press Cure		Post Cure		
Sheet : 5min 175°C		Sheet : 4 hrs 200°C		
Button : 10 min 175°C		Button : 4 hrs 200°C		
ORIGINAL PROPERTIES	SPECIFICATION	TEST RESULT	ASTM TEST METHOD	JUDGE
HARDNESS SHORE A	70°±5	72	D2240	OK
TENSILE STRENGTH, MPA, MIN	≥6	7.46	D412	OK
ULTIMATE ELONGATION, %, MIN	≥150	218.41	D412	OK
SPECIFIC GRAVITY (g/cm <sup>3</sup> )		1.21	D297	OK
HEAT RESISTANCE 70 H . AT 225°C (A19)				
CHANGE IN HARDNESS, POINTS	+10	5	D573	OK
CHANGE IN TENSILES STRENGTH, %	-25	-20.11		OK
CHANGE IN ULTIMATE ELONGATION,MAX %	-30	-24.99		OK
COMPRESSION SET, MAX, 22H AT 175°C (B37)	≤25	20.19	D395	OK
FLUID RESISTANCE NO.1 OIL, 70H AT 150°C (E016)				
CHANGE IN HARDNESS, POINTS	0~-15	-5	D471	OK
CHANGE IN TENSILES STRENGTH, MAX %	-20	2.96		OK
CHANGE IN ULTIMATE ELONGATION,MAX %	-20	-17.51		OK
CHANGE IN VOLUME %	0~+10	5.76		OK
FLUID RESISTANCE NO.3 OIL, 70H AT 150°C (E036)				
CHANGE IN HARDNESS, POINTS	-30	-17	D471	OK
CHANGE IN VOLUME %	+60	41.56		OK
LOW-TEMPERATURE BRITTLINESS NONBRITTLE				
AFTER 3MIN AT -55°C (F19)	NONBRITTLE	PASS	D2137	OK

**Remark:**

1. The data are based on testing slabs I buttons and are for reference purpose only..
2. Our compound can meet above -mentioned ASTM 2000 Spec.
3. This information is, to the best of our knowledge, accurate reliable to the date indicated.
4. The above mentioned data have been obtained by tests we consider as reliable, We don't assure that - the same results can be obtained other laboratories, using different conditions by the preparation and -evaluation of the samples.

Approved By:		Checked By:	<b>Yunli Tu</b>	Tested By:	<b>Jianjun Zhu</b>
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