



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

**NBR55 WHITE FDA (N5509F) COMPOUND**

**ASTM D2000 M2BG 553 A14 B14 EO14 EO34 EA14 F17**

Press Cure	Post Cure		
Sheet : 5min 170°C	Sheet : 1 hrs 120°C		
Button : 10 min 170°C	Button : 1 hrs 120°C		
ORIGINAL PROPERTIES	SPECIFICATION	TEST RESULT	ASTM TEST METHOD
HARDNESS SHORE A	55°±5	56	D2240
TENSILE STRENGTH, MPA, MIN	≥3	4.65	D412
ULTIMATE ELONGATION, %, MIN	≥350	510.37	D412
SPECIFIC GRAVITY (g/cm3)		1.50	D297
HEAT RESISTANCE 70 H . AT 100°C (A14)			D573
CHANGE IN HARDNESS, POINTS	+/-15	8	
CHANGE IN TENSILES STRENGTH, %	+/-30	-20.21	
CHANGE IN ULTIMATE ELONGATION,MAX %	-50	-44.92	
COMPRESSION SET, MAX, 22H AT 100°C (B14 )	≤25	23.13	D395
FLUID RESISTANCE NO.1 OIL, 70H AT 100°C (EO14)			D471
CHANGE IN HARDNESS, POINTS	-5~+10	7	
CHANGE IN TENSILES STRENGTH, MAX %	-25	23.87	
CHANGE IN ULTIMATE ELONGATION,MAX %	-45	-11.24	
CHANGE IN VOLUME %	-10~+5	-5.04	
FLUID RESISTANCE NO.3 OIL, 70H AT 100°C (EO34)			D471
CHANGE IN HARDNESS, POINTS	-10~+5	-6	
CHANGE IN TENSILES STRENGTH, MAX %	-45	-32.9	
CHANGE IN ULTIMATE ELONGATION,MAX %	-45	-26.21	
CHANGE IN VOLUME %	0~+25	13.34	
WATER RESISTANCE:100°C,70H (EA14)			D471
CHANGE IN HARDNESS, POINTS	±10	+2	
CHANGE IN VOLUME %	±15	-2.92	
LOW-TEMPERATURE BRITTLENESS NONBRITTLE			
AFTER 3MIN AT -40°(F17)	NONBRITTLE	PASS	D2137

**Remark:**

- The data are based on testing slabs I buttons and are for reference purpose only..
- Our compound can meet above -mentioned ASTM 2000 Spec.
- This information is, to the best of our knowledge, accurate reliable to the date indicated.
- 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:	Wendy Wen	Audit By:	Yunli Tu	Test By:	Jianjun Zhu
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