



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

**FKM 90 Black(V9001) COMPOUND**

**ASTM D2000 M2HK 910 A1-10 B38 EO78 EF31 F15**

Press Cure		Post Cure	
Sheet : 10min 170°C		Sheet : 16 hrs230°C	
Button : 10 min 170°C		Button : 16 hrs 230°C	
ORIGINAL PROPERTIES	SPECIFICATION	TEST RESULT	ASTM TEST METHOD
HARDNESS SHORE A	90°±5	92	D2240
TENSILE STRENGTH, MPA, MIN	≥10	10.71	D412
ULTIMATE ELONGATION, %, MIN	≥100	179.18	D412
SPECIFIC GRAVITY (g/cm <sup>3</sup> )		1.83	D297
<b>HEAT RESISTANCE 70 H . AT 250°C (A1-10)</b>			
CHANGE IN HARDNESS, POINTS	+10	+2	D573
CHANGE IN TENSILES STRENGTH, %	-25	-15.2	
CHANGE IN ULTIMATE ELONGATION,MAX %	-25	-18.6	
<b>COMPRESSION SET, MAX, 22H AT 200°C (B38)</b>			
	≤50	20.71	D395
<b>FLUID RESISTANCE FUEL.101. 70H AT 200°C (EO78)</b>			
CHANGE IN HARDNESS, POINTS	-15to+5	-9	D471
CHANGE IN TENSILES STRENGTH, MAX %	-40	-25.3	
CHANGE IN ULTIMATE ELONGATION,MAX %	-20	-15.2	
CHANGE IN VOLUME %	0to+15	+7.99	
<b>FLUID RESISTANCE FUEL C, 70H AT 23°C (EF31)</b>			
CHANGE IN HARDNESS, POINTS	±5	-3	D471
CHANGE IN TENSILES STRENGTH, MAX %	-25	-16.3	
CHANGE IN ULTIMATE ELONGATION,MAX %	-20	-11.8	
CHANGE IN VOLUME %	0to+10	+5.5	
<b>LOW-TEMPERATURE BRITTLENESS NONBRITTLE</b>			
AFTER 3MIN AT -25°C(F15)	NONBRITTLE	PASS	D2137

**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	<b>Frankie Fang</b>	Checked By:	<b>Yunli Tu</b>	Tested By:	<b>Jianjun Zhu</b>
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