



SHANGRAO RUICHEN SEALING CO.,LTD
DONGGUAN RUICHEN SEALING CO.,LTD

Address: Road 8.Yanshan Industrial Estate, Shangrao City, 334500, Jiangxi Prov., CHINA
Tel: +86-18024335478 E-mail: aaron@dgork.com

MATERIALS TEST REPORT

EPDM45 BLACK (E4501) COMPOUND

ASTM D2000 M3CA 457 A25 B35 C32 EA14 F17

Press Cure

Post Cure

Sheet : 7min 170°C

Sheet : 1 hrs 125°C

Button : 10 min 170°C

Button : 1 hrs 125°C

ORIGINAL PROPERTIES	SPECIFICATION	TEST RESULT	ASTM TEST METHOD
HARDNESS SHORE A	45°±5	48	D2240
TENSILE STRENGTH, MPA, MIN	≥7	8.65	D412
ULTIMATE ELONGATION, %, MIN	≥350	514.56	D412
SPECIFIC GRAVITY (g/cm ³)		1.09	D297
HEAT RESISTANCE 70 H. AT 125°C(A25)			D865
CHANGE IN HARDNESS, POINTS	+10	+8	
CHANGE IN TENSILES STRENGTH, %	-20	-13.06	
CHANGE IN ULTIMATE ELONGATION,MAX %	-40	-39.56	
COMPRESSION SET, MAX, 22H AT 125°C(B35)	≤70	57.98	D395
RESISTANCE TO OZONE , TEST METHOD D 1171, (C32)			
EXPOSURE METHOD B		PASS	D1171
WATER RESISTANCE:100°C,70H (EA14)			
VOLUME CHAGE,%	±5	+2.8	D471
LOW-TEMPERATURE BRITTLENESS NONBRITTLE			
AFTER 3MIN AT -40°C (F17)		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:		Checked By:	Yunli Tu	Tested By:	Jianjun Zhu
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