



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

FKM80 BLUE FDA (V8002F) COMPOUND

ASTM D2000 M2HK 810 A1-10 B38 EO78 EF31 F13

| Press Cure | | Post Cure | |
|--|---------------|-----------------------|------------------|
| Sheet : 10min 170°C | | Sheet : 16 hrs 230°C | |
| Button : 10 min 170°C | | Button : 16 hrs 230°C | |
| ORIGINAL PROPERTIES | SPECIFICATION | TEST RESULT | ASTM TEST METHOD |
| HARDNESS SHORE A | 80°±5 | 83 | D2240 |
| TENSILE STRENGTH, MPA, MIN | ≥10 | 14.88 | D412 |
| ULTIMATE ELONGATION, %, MIN | ≥150 | 159.28 | D412 |
| SPECIFIC GRAVITY (g/cm ³) | | 2.08 | D297 |
| HEAT RESISTANCE 70 H. AT 250°C (A1-10) | | | D573 |
| CHANGE IN HARDNESS, POINTS | +10 | +2 | |
| CHANGE IN TENSILES STRENGTH, % | -25 | -18.2 | |
| CHANGE IN ULTIMATE ELONGATION,MAX % | -25 | -21.6 | |
| COMPRESSION SET, MAX, 22H AT 200°C (B38) | ≤30 | 21.03 | D395 |
| FLUID RESISTANCE FUEL.101. 70H AT 200°C (EO78) | | | D471 |
| CHANGE IN HARDNESS, POINTS | -15~+5 | -8 | |
| CHANGE IN TENSILES STRENGTH, MAX % | -40 | -21.5 | |
| CHANGE IN ULTIMATE ELONGATION,MAX % | -20 | -12.3 | |
| CHANGE IN VOLUME % | 0~+15 | +8.62 | |
| FLUID RESISTANCE FUEL C, 70H AT 23°C (EF31) | | | D471 |
| CHANGE IN HARDNESS, POINTS | ±5 | -3 | |
| CHANGE IN TENSILES STRENGTH, MAX % | -25 | -15.62 | |
| CHANGE IN ULTIMATE ELONGATION,MAX % | -20 | -12.6 | |
| CHANGE IN VOLUME % | 0~+10 | +5.2 | |
| LOW-TEMPERATURE BRITTLENESS NONBRITTLE | | | |
| AFTER 3MIN AT -10°C (F13) | 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.

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| Approved By | Frankie Fang | Checked By: | Yunli Tu | Tested By: | Jianjun Zhu |
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