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MATERIALS TEST REPORT

AFLAS90 BLACK (AF9001) COMPOUND

ASTM D2000 M2HK 910 A1-10 B38 EO78 EF31 F13

Press Cure

Post Cure

Sheet : 10min 170°C

Sheet : 16 hrs 200°C

Button : 10 min 170°C

Button : 16 hrs 200°C

| ORIGINAL PROPERTIES | SPECIFICATION | TEST RESULT | ASTM TEST METHOD |
|--|---------------|-------------|------------------|
| HARDNESS SHORE A | 90°±5 | 88 | D2240 |
| TENSILE STRENGTH, MPA, MIN | ≥10 | 16.26 | D412 |
| ULTIMATE ELONGATION, %, MIN | ≥100 | 138.18 | D412 |
| SPECIFIC GRAVITY (g/cm ³) | | 1.65 | D297 |
| HEAT RESISTANCE 70 H . AT 250°C (A1-10) | | | D573 |
| CHANGE IN HARDNESS, POINTS | +10 | +3 | |
| CHANGE IN TENSILES STRENGTH, % | -25 | -14.76 | |
| CHANGE IN ULTIMATE ELONGATION,MAX % | -25 | -6.98 | |
| COMPRESSION SET, MAX, 22H AT 200°C (B38) | ≤30 | 21.82 | D395 |
| FLUID RESISTANCE FUEL.101. 70H AT 200°C (EO78) | | | D471 |
| CHANGE IN HARDNESS, POINTS | -15~+5 | -8.96 | |
| CHANGE IN TENSILES STRENGTH, MAX % | -40 | -21.85 | |
| CHANGE IN ULTIMATE ELONGATION,MAX % | -20 | -8.65 | |
| CHANGE IN VOLUME % | 0~+15 | +9.65 | |
| FLUID RESISTANCE FUEL C, 70H AT 23°C (EF31) | | | D471 |
| CHANGE IN HARDNESS, POINTS | ±5 | -2 | |
| CHANGE IN TENSILES STRENGTH, MAX % | -25 | -16.78 | |
| CHANGE IN ULTIMATE ELONGATION,MAX % | -20 | -11.72 | |
| CHANGE IN VOLUME % | 0~+10 | +3.69 | |
| 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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