

## TEST REPORT

MATERIAL : FDA FKM 50 BROWN      COMPOUND NO. :V5011N

**A)PHYSICAL PROPERTIES:**

PRESS CURE @170 DEGREE C X 10 MIN

POST CURE @230 DEGREE C X 24HRS

|                             | REQUIREMENT | TEST RESULT |
|-----------------------------|-------------|-------------|
| HARDNESS, SHORE A           | 50+/-5      | 55          |
| TENSILE STRENGTH, MPa , MIN | 7.0         | 8.5         |
| ELONGATION, % , MIN         | 200         | 361         |
| SPECIFIC GRAVITY            |             | 1.850       |

**B)HEAT AGING @250 DEGREE C X 70 HRS.**

|                            |     |     |
|----------------------------|-----|-----|
| HARDNESS CHANGE, POINTS    | +10 | +1  |
| TENSILE STRENGTH CHANGE, % | -25 | +14 |
| ELONGATION CHANGE, %       | -25 | -17 |

**C)COMPRESSION SET**

CURING CONDITIONS

PRESS CURE @170 DEGREE C X 20 MIN

POST CURE @230 DEGREE C X 24HRS

|  |    |   |
|--|----|---|
| HEAT AGING @175 DEGREE C X 22 HRS, % , MAX | 50 | 7 |
|--|----|---|

**D) FUEL C OIL IMMERSION @RT X 70 HRS**

|                            |       |     |
|----------------------------|-------|-----|
| HARDNESS CHANGE, POINTS    | +/- 5 | -5  |
| TENSILE STRENGTH CHANGE, % | -25   | -24 |
| ELONGATION CHANGE, %       | -20   | -10 |
| VOLUME CHANGE, %           | 0~+10 | +4  |

NOTE:1.THE ABOVE TEST WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.  
THIS COMPOUND V5011N CAN MEET ASTM D2000 M2HK507 A1-10 B37 EF31 Z1(Z1=FDA)  
2.THE COMPOUND IS COMPLY WITH FDA REGULATION ,BUT WE CAN NOT OFFER ANY  
APPROVAL OR CERTIFICATION.

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