

## TEST REPORT

MATERIAL : AFLAS 80 DURO BLACK      COMPOUND NO. : L8J01B

**A)PHYSICAL PROPERTIES:**

PRESS CURE @170 DEGREE C X 10 MIN

POST CURE @230 DEGREE C X 24HRS

|                       | REQUIREMENT | TEST RESULT |
|-----------------------|-------------|-------------|
| HARDNESS, IRHD        | 80+/-5      | 81.2        |
| TENSILE STRENGTH, MPa | 10          | 13.7        |
| ELONGATION, %         | 150         | 151         |
| SPECIFIC GRAVITY      |             | 1.554       |

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

|                            |      |      |
|----------------------------|------|------|
| HARDNESS CHANGE, POINTS    | + 10 | + 1  |
| TENSILE STRENGTH CHANGE, % | -25  | -3   |
| ELONGATION CHANGE, %       | -25  | +0.7 |

**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, % | 50 | 11 |
|--------------------------------------|----|----|

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

|                            |         |     |
|----------------------------|---------|-----|
| HARDNESS CHANGE, POINTS    | + / - 5 | - 4 |
| TENSILE STRENGTH CHANGE, % | -25     | -7  |
| ELONGATION CHANGE, %       | -20     | -12 |
| VOLUME CHANGE, %           | 0~+10   | +6  |

NOTE:THE ABOVE TEST WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.  
THIS COMPOUND L8J01B CAN MEET ASTM D2000 M2HK810 A1-10 B37 EF31Z1(Z1=IRHD)