

TEST REPORT

MATERIAL : AFLAS 70 DURO BLACK COMPOUND NO. : L7001B

A)PHYSICAL PROPERTIES:

| | REQUIREMENT | TEST RESULT |
|-----------------------------------|-------------|-------------|
| PRESS CURE @180 DEGREE C X 10 MIN | | |
| POST CURE @200 DEGREE C X 4HRS | | |
| HARDNESS, SHORE A 硬度 | 70+/-5 | 72 |
| TENSILE STRENGTH, MPa 拉力强度 min | 14 | 19.1 |
| ELONGATION, %延伸率 min | 175 | 269 |
| 100%MODULUS ,Mpa | | 7.4 |
| SPECIFIC GRAVITY 比重 | | 1.569 |

B)HEAT AGING @250 DEGREE C X 70 HRS.老化试验

| | | |
|-----------------------------------|-----|-----|
| HARDNESS CHANGE, POINTS 硬度变化 | +10 | -1 |
| TENSILE STRENGTH CHANGE, %拉力强度变化率 | -25 | -18 |
| ELONGATION CHANGE, % 延伸率变化率 | -25 | +13 |

C)COMPRESSION SET 压缩永久变形试验

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 | 28 |

D)FLUID AGING ,ASTM D471 耐 903#油试验

| | | |
|------------------------------------|-----|-------|
| 70 HOURS @ 150°C IN IRM 903# | | |
| HARDNESS CHANGE,POINT 硬度变化 | --- | -7 |
| TENSILE STRENGTH CHANGE, % 拉力强度变化率 | --- | -11 |
| ELONGATION CHANGE, % 延伸率变化率 | --- | +7 |
| VOLUME CHANGE, % 体积变化率 | --- | +14.5 |

E) FLUID AGING ,ASTM D471

| | | |
|---|--------|------|
| 70 HOURS @ 200°C IN SERVICE LIQUID B 101# 耐 101#油试验 | | |
| HARDNESS CHANGE,POINT 硬度变化 | -15~+5 | -15 |
| TENSILE STRENGTH CHANGE, % 拉力强度变化率 | -40 | -13 |
| ELONGATION CHANGE, % 延伸率变化率 | -20 | +19 |
| VOLUME CHANGE, % 体积变化率 | 0~+15 | +8.1 |

F) FLUID AGING ,ASTM D471

| | | |
|--|--------|-----|
| 70 HOURS @ 200°C IN HATCO 7700 耐 7700#试验 | | |
| HARDNESS CHANGE,POINT 硬度变化 | -15~+5 | -14 |
| TENSILE STRENGTH CHANGE, % 拉力强度变化率 | -40 | -21 |
| ELONGATION CHANGE, % 延伸率变化率 | -20 | +16 |
| VOLUME CHANGE, % 体积变化率 | +25 | +25 |

G)LOW TEMPERATURE RESISTANCE, 低温脆性试验

ASTM D1329,TIME 3MIN@-35°C PASS PASS

NOTE:THE ABOVE TEST WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND L7001B CAN MEET ASTM D2000 M2HK714 A1 TO B3 EO/8 EO/8 EO/8
TEMPERATURE RANGE:0°C~175°C

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