

TEST REPORT

MATERIAL SIL70 DURO BLACK COMPOUND NO. S7001B

1)PHYSICAL PROPERTIES

PRESS CURE @170 DEGREE C X 10MIN)

POST CURE @200 DEGREE C X 4HRS

	REQUIREMENTS	TEST RESULT
HARDNESS ,SHORE A 硬度	70+/-5	72
TENSILE STRENGTH, MPa,min 拉力强度	5.0	6.5
ELONGATION, %,min 延伸率	150	201
SPECIFIC GRAVITY 比重		1.291

B) HEAT RESISTANCE @225 DEGREE C X 70 HRS 老化试验

HARDNESS CHANGE, PTS 硬度变化	+10	+4
TENSILE STRENGTH CHANGE, %拉力强度变化率	-25	-3
ELONGATION CHANGE, %延伸率变化率	-45	-28

C)COMPRESSION SET:压缩永久变形试验

PRESS CURE @170 DEGREE C X 20MIN)

POST CURE @200 DEGREE C X 4HRS

HEAT AGING @175 DEGREE C X 22 HRS ,max	30	18
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E) ASTM NO. 1 OIL: @150 DEGREE C X 70 HRS 耐 1#油试验

HARDNESS CHANGE, POINTS 硬度变化	0~-15	-6
TENSILE STRENGTH CHANG, %拉力强度变化率	-20	-9
ELONGATION CHANGE, %延伸率变化率	-20	-2
VOLUME CHANGE, %体积变化率	0~+15	+6

F) ASTM NO. 3 OIL: @150 DEGREE C X 70 HRS

HARDNESS CHANGE, PTS 硬度变化	-40	-22
VOLUME CHANGE, %体积变化率	+60	+37

G) LOW TEMPERATURE BRITTLINESS 低温脆性试验

TESTS AFTER 3MIN AT -55 DEGREE C NONBRITTLE

NOTE:THE ABOVE TEST WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY

THIS COMPOUND S7001B CAN MEET ASTM D2000 M7GE705 A19 B37 EQ16 0036 019 Z1

(Z1=HEAT RESISTANCE ELONGATION CHANGE -45%)

TEMPERATURE RANGE:-55°C~180°C



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