

TEST REPORT

MATERIAL : SIL 70 DURO RED COMPOUND NO. S7001R

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 拉力强度, min	5.0	6.8
ELONGATION, % 延伸率,min	150	199
TEAR STRENGTH,KN/m 撕裂强度	9.0	10
100%MODULUS,MPa		3.2
SPECIFIC GRAVITY 比重		1.314

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

HARDNESS CHANGE, PTS 硬度变化	+10	+2
TENSILE STRENGTH CHANGE, % 拉力强度变化	-25	+4
ELONGATION CHANGE, % 延伸率变化	-45	-22

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	19
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D) WATER RESISTANCE @100 DEGREE C X 70 HRS 耐水试验

HARDNESS CHANGE, POINTS 硬度变化	+/-5	+2
VOLUME CHANGE, % 体积变化	+/-5	+2

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 CHANGE, % 拉力强度变化	-20	+28
ELONGATION CHANGE, % 延伸率变化	-20	+20
VOLUME CHANGE, % 体积变化	0~+15	+3

F) ASTM NO. 3 OIL: @150 DEGREE C X 70 HRS 耐 3#油试验

HARDNESS CHANGE, PTS 硬度变化	-40	-22
VOLUME CHANGE, % 体积变化	+60	+35

G) LOW TEMPERATURE BRITTLENESS 低温脆性试验

TESTS AFTER 3MIN AT -55 DEGREE C

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

THIS COMPOUND S7001R CAN MEET ASTM D2000 M7GE705 A19 B37 F414 EO16 EO36 F19 G11 Z1

(Z1=HEAT RESISTANCE ELONGATION CHANGE -45%)

TEMPERATURE RANGE:-55°C~180°C.

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