

## TEST REPORT

MATERIAL : SIL 40 DURO RED

COMPOUND NO. : S4001R

### A)PHYSICAL PROPERTIES

PRESS CURE @170 DEGREE C X 10MIN

POST CURE @200 DEGREE C X 4 HRS

	REQUIREMENT	TEST RESULT
HARDNESS,SHORE A 硬度	40+/-5	40
TENSILE STRENGTH, MPa ,min 拉力强度	5.0	6.6
ELONGATION, %,min 延伸率	300	345
SPECIFIC GRAVITY 比重		1.102

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

HARDNESS CHANGE, PTS 硬度变化	+10	+1
TENSILE STRENGTH CHANGE, %拉力强度变化率	-25	-23
ELONGATION CHANGE, %延伸率变化率	-30	-2

### C) COMPRESSION SET 压缩永久变形试验

CURING CONDITIONS

PRESS CURE@170 DEGREE C X 20 MIN

POST CURE@200 DEGREE C X 4 HRS

HEAT AGING@ 175 DEGREE C X 22HRS, % ,max	25	11
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### D) ASTM NO. 1 OIL @ 150 DEGREE C X 70 HRS 耐 1#油试验

HARDNESS CHANGE, POINTS 硬度变化	0~-10	-7
TENSILE STRENGTH CHANGE %拉力强度变化率	-30	+3
ELONGATION CHANGE, %延伸率变化率	-30	+51
VOLUME CHANGE, % 体积变化率	0~+15	+10

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

HARDNESS CHANGE, POINTS 硬度变化	---	+15
VOLUME CHANGE, %体积变化率	+60	+59

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.  
THIS COMPOUND S4001R CAN MEET ASTM D2000 M2GE405 A19 B37 EO16 EO36  
TEMPERATURE RANGE:-55°C~180°C



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Test by:QC08