

TEST REPORT

MATERIAL :FDA SIL 40 DURO RED

COMPOUND NO. : S4011R

Test date:2019/12/24

A)PHYSICAL PROPERTIES

PRESS CURE @170 DEGREE C X 10MIN

POST CURE @200 DEGREE C X 4 HRS

HARDNESS,SHORE A 硬度

TENSILE STRENGTH, MPa ,min 拉力强度

ELONGATION, %,min 延伸率

SPECIFIC GRAVITY 比重

REQUIREMENT	TEST RESULT
40+/-5	43
5.0	6.0
300	365
	1.114

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

HARDNESS CHANGE, PTS 硬度变化

TENSILE STRENGTH CHANGE, %拉力强度变化率

ELONGATION CHANGE, %延伸率变化率

+10	+0
-25	-5
-30	-13

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	16
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D) ASTM IRM 901 OIL @ 150 DEGREE C X 70 HRS 耐 1#油试验

HARDNESS CHANGE, POINTS 硬度变化

TENSILE STRENGTH CHANGE %拉力强度变化率

ELONGATION CHANGE, %延伸率变化率

VOLUME CHANGE, % 体积变化率

0~-10	-6
-30	+8
-30	-12
0~+15	+10

E) ASTM IRM 903 OIL @ 150 DEGREE C X 70 HRS 耐 3#油试验

HARDNESS CHANGE, POINTS 硬度变化

VOLUME CHANGE, %体积变化率

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+60	+58

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND S4011R CAN MEET ASTM D2000 M2GE405 A19 B37 EO16 EO36
TEMPERATURE RANGE:-55℃~180℃



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Test by:QC08