

## TEST REPORT

MATERIAL SIL70 DURO RED HIGH TEMP COMPOUND NO.S7062R

Test date:2023/02/17

A)PHYSICAL PROPERTIES

PRESS CURE @170 DEGREE C X 10MIN)

POST CURE @200 DEGREE C X 4HRS

HARDNESS ,SHORE A 硬度

TENSILE STRENGTH, MPa,min 拉力强度

ELONGATION, %,min 延伸率

SPECIFIC GRAVITY 比重

REQUIREMENTS	TEST RESULT
70+/-5	71
6.0	9.5
150	281
	1.193

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	+3
-25	-8
-30	-17

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

25	11
----	----

E) ASTM NO. 1 OIL: @150 DEGREE C X 70 HRS 耐 1#油试验

HARDNESS CHANGE, POINTS 硬度变化

TENSILE STRENGTH CHANG, %拉力强度变化率

ELONGATION CHANGE, %延伸率变化率

VOLUME CHANGE, % 体积变化率

0~-15	-6
-20	-11
-20	-9
0~+10	+6

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

HARDNESS CHANGE, PTS 硬度变化

VOLUME CHANGE, % 体积变化率

-30	-21
+60	+38

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

THIS COMPOUND S7062R CAN MEET ASTM D2000 M5GE706 A19 B37 EO16 EO36 Z1(Z1=HIGH TEMP 300°C)



QA Manager: Grace Chen

QC.Dept:Dolly Zhou

Test by:QC08