

## TEST REPORT

MATERIAL SIL70 DURO METAL BONDED      COMPOUND NO. S7061R

**A) PHYSICAL PROPERTIES**

PRESS CURE @170 DEGREE C X 10MIN)

POST CURE @200 DEGREE C X 4HRS

HARDNESS, SHORE A

TENSILE STRENGTH, MPa, min

ELONGATION, %, min

SPECIFIC GRAVITY

REQUIREMENTS	TEST RESULT
70+/-5	72
5.0	7.1
150	176
	1.223

**B) HEAT RESISTANCE @225 DEGREE C X 70 HRS**

HARDNESS CHANGE, PTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

+10	+0
-25	-10
-30	-4

**C) COMPRESSION SET:**

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
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**E) ASTM NO. 1 OIL: @150 DEGREE C X 70 HRS**

HARDNESS CHANGE, POINTS

TENSILE STRENGTH CHANGE, %

ELONGATION CHANGE, %

VOLUME CHANGE, %

0~-15	-12
-20	+4
-20	+8
0~+10	+8

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

HARDNESS CHANGE, PTS

VOLUME CHANGE, %

-40	-27
+60	+44

**G) LOW TEMPERATURE BRITTLINESS**

TESTS AFTER 3MIN AT -55 DEGREE C

NONBRITTLE

NOTE: THE ABOVE TEST WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY  
THIS COMPOUND S7061R CAN MEET ASTM D2000 M7GE705 A19 B37 EO16 EO36 F19



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