

TEST REPORT

MATERIAL SIL 50 DURO WHITE

COMPOUND NO. S5001W

A) PHYSICAL PROPERTIES

PRESS CURE @ 170 DEGREE C X 10MIN

POST CURE @ 200 DEGREE C X 4 HRS

	REQUIREMENTS	TEST RESULT
HARDNESS, SHORE A	50+/-5	51
TENSILE STRENGTH, MPa.min	5.0	8.3
ELONGATION, % ,min	250	273
SPECIFIC GRAVITY		1.135

B) HEAT RESISTANCE @ 225 DEGREE C X 70 HRS

HARDNESS CHANGE, PTS	+10	+0
TENSILE STRENGTH CHANGE, %	-25	-24
ELONGATION CHANGE, %	-30	-28

C) COMPRESSION SET

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 NO. 1 OIL @ 150 DEGREE C X 70 HRS

HARDNESS CHANGE, POINTS	0~-15	-8
TENSILE STRENGTH CHANGE %	-20	-14
ELONGATION CHANGE, %	-20	-10
VOLUME CHANGE, %	0~+10	+10

E) ASTM NO. 3 OIL @ 150 DEGREE C X 70 HRS

HARDNESS CHANGE, PTS	-30	-18
VOLUME CHANGE, %	+60	+54

NOTE: THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND S5001W CAN MEET ASTM D2000 M5GE505 A19 B37 EO16 EO36



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Test by: QC08