

TEST REPORT

MATERIAL : SIL 50 DURO BLUE COMPOUND NO. S5001U

A)PHYSICAL PROPERTIES

TEST METHOD	REQUIREMENTS	TEST RESULT
PRESS CURE @170 DEGREE C X 10MIN POST CURE @200 DEGREE C X 4 HRS		
HARDNESS,SHORE A 硬度	50+/-5	51
TENSILE STRENGTH, MPA ,min 拉力强度	5.0	7.4
ELONGATION, % ,min 延伸率	250	256
SPECIFIC GRAVITY 比重		1.166

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	+0
ELONGATION CHANGE, % 延伸率变化率	-30	+16

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	19

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

HARDNESS CHANGE, POINTS 硬度变化	0~-15	-6
TENSILE STRENGTH CHANGE % 拉力强度变化率	-20	+24
ELONGATION CHANGE, % 延伸率变化率	-20	+11
VOLUME CHANGE, % 体积变化率	0~+10	+6

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

HARDNESS CHANGE, PTS 硬度变化	-30	-18
VOLUME CHANGE, % 体积变化率	+60	+49

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND S5001R CAN MEET ASTM D2000 M5GE505 A19 B37 EO16 EO36



QA Manager: Grace Chen

QC.Dept:Dolly Zhou

Test by:QC08