

TEST REPORT

MATERIAL :CR 50 DURO RED

COMPOUND NO:C5001R

A) PHYSICAL PROPERTIES

TEST METHOD	REQUIREMENT	TEST RESULT
PRESS CURE @ 170DEGREE C X 10 MIN)		
HARDNESS SHORE A	50+/-5	54
TENSILE STRENGTH, Mpa ,min	10	12.6
ELONGATION, %,min	350	762
SPECIFIC GRAVITY		1.439

B)HEAT AGING @ 100 DEGREE C X 70 HRS

TEST METHOD	REQUIREMENT	TEST RESULT
HARDNESS CHANGE , POINTS	+15	+2
TENSILE STRENGTH CHANGE , %	-15	+5
ELONGATION CHANGE , %	-40	-9

C)COMPRESSION SET

TEST METHOD	REQUIREMENT	TEST RESULT
HEAT AGING @ 100 DEGREE C X 22 HRS % ,max	35	33

D)FLUID RESISTANCE,TEST METHOD NO.1.oil @ 100 DEGREE C X 70H

TEST METHOD	REQUIREMENT	TEST RESULT
HARDNESS CHANGE , points	+/-10	-6
TENSILE STRENGTH CHANGE , %	-30	-2
ELONGATION CHANGE , %	-30	-6
VOLUME CHANGE, %	-10~+15	+2

E) FLUID RESISTANCE,TEST METHOD NO.3.oil @ 100 DEGREE C X 70H

TEST METHOD	REQUIREMENT	TEST RESULT
TENSILE STRENGTH CHANGE , %	-60	-41
ELONGATION CHANGE , %	-50	-17
VOLUME CHANGE, %	+100	+61

NOTE:THE ABOVE TESTS WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND C5001R CAN MEET ASTM D2000 M2BC510 A14 B14 EO14 EO34



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Test by:QC08