



The Manufacturer of Sealing Parts

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TEST REPORT

MATERIAL : FDA FKM 50 BROWN COMPOUND NO. :V5011N

A)PHYSICAL PROPERTIES:

PRESS CURE @170 DEGREE C X 10 MIN

POST CURE @230 DEGREE C X 24HRS

	REQUIREMENT	TEST RESULT
HARDNESS, SHORE A	50+/-5	55
TENSILE STRENGTH, MPa , MIN	7.0	8.5
ELONGATION, % , MIN	200	361
SPECIFIC GRAVITY		1.850

B)HEAT AGING @250 DEGREE C X 70 HRS.

HARDNESS CHANGE, POINTS	+ 10	+ 1
TENSILE STRENGTH CHANGE, %	-25	+14
ELONGATION CHANGE, %	-25	-17

C)COMPRESSION SET

CURING CONDITIONS

PRESS CURE @170 DEGREE C X 20 MIN

POST CURE @230 DEGREE C X 24HRS

HEAT AGING @175 DEGREE C X 22 HRS, %, MAX	50	7
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D) FUEL C OIL IMMERSION @RT X 70 HRS

HARDNESS CHANGE, POINTS	+/- 5	- 5
TENSILE STRENGTH CHANGE, %	-25	-24
ELONGATION CHANGE, %	- 20	- 10
VOLUME CHANGE, %	0 ~ + 10	+ 4

NOTE:1.THE ABOVE TEST WAS TESTED WITH TEST PIECE AND FOR YOUR REFERENCE ONLY.
THIS COMPOUND V5011N CAN MEET ASTM D2000 M2HK507 A1-10 B37 EF31 Z1(Z1=FDA)
2.THE COMPOUND IS COMPLY WITH FDA REGULATION ,BUT WE CAN NOT OFFER ANY
APPROVAL OR CERTIFICATION.

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Test by:QC08