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MATERIALS TEST REPORT

V7503 (FKM75 BROWN) COMPOUND

ASTM D2000 M2HK 757 A1-10 B38 EO78 EF31 F15

Press Cure		Post Cure		
Sheet : 10min 170°C		Sheet : 16 hrs 230°C		
Button : 10 min 170°C		Button : 16 hrs 230°C		
ORIGINAL PROPERTIES	SPECIFICATION	TEST RESULT	ASTM TEST METHOD	JUDGE
HARDNESS SHORE A	75°±5	72	D2240	OK
TENSILE STRENGTH, MPA, MIN	≥7	11.53	D412	OK
ULTIMATE ELONGATION, %, MIN	≥150	241.01	D412	OK
SPECIFIC GRAVITY (g/cm ³)		2.18	D297	OK
HEAT RESISTANCE 70 H . AT 250°C (A1-10)				
CHANGE IN HARDNESS, POINTS	+10	+1	D573	OK
CHANGE IN TENSILES STRENGTH, %	-25	-0.78		OK
CHANGE IN ULTIMATE ELONGATION,MAX %	-25	-14.14		OK
COMPRESSION SET, MAX, 22H AT 200°C (B38)	≤30	22.69	D395	OK
FLUID RESISTANCE FUEL.101. 70H AT 200°C (EO78)				
CHANGE IN HARDNESS, POINTS	-15~+5	-8	D471	OK
CHANGE IN TENSILES STRENGTH, MAX %	-40	-21.5		OK
CHANGE IN ULTIMATE ELONGATION,MAX %	-20	-12.3		OK
CHANGE IN VOLUME %	0~+15	+8.62		OK
FLUID RESISTANCE FUEL C, 70H AT 23°C (EF31)				
CHANGE IN HARDNESS, POINTS	±5	-3	D471	OK
CHANGE IN TENSILES STRENGTH, MAX %	-25	-15.62		OK
CHANGE IN ULTIMATE ELONGATION,MAX %	-20	-12.6		OK
CHANGE IN VOLUME %	0~+10	+5.2		OK
LOW-TEMPERATURE BRITTLENESS NONBRITTLE				
AFTER 3MIN AT -25°C (F15)	NONBRITTLE	PASS	D2137	OK

Remark:

- The data are based on testing slabs I buttons and are for reference purpose only..
- Our compound can meet above -mentioned ASTM 2000 Spec.
- This information is, to the best of our knowledge, accurate reliable to the date indicated.
- The above mentioned data have been obtained by tests we consider as reliable, We don't assure that
 - the same results can be obtained other laboratories, using different conditions by the preparation and
 -evaluation of the samples.

Approved By	Frankie Fang	Checked By:	Yunli Tu	Tested By:	Jianjun Zhu
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