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MATERIALS TEST REPORT

NBR70 GRAY (N7003) COMPOUND

ASTM D2000 M2BG 707 A14 B14 EO14 EO34 EA14 F17

Press Cure	Post Cure		
Sheet : 5min 170℃	Sheet : 1 hrs 120℃		
Button : 10 min 170℃	Button : 1 hrs 120℃		
ORIGINAL PROPERTIES	SPECIFICATION	TEST RESULT	ASTM TEST METHOD
HARDNESS SHORE A	70°±5	73	D2240
TENSILE STRENGTH, MPA, MIN	≥7	7.65	D412
ULTIMATE ELONGATION, %, MIN	≥250	303.75	D412
SPECIFIC GRAVITY (g/cm^3)		1.53	D297
HEAT RESISTANCE 70 H . AT 100℃ （A14）			D573
CHANGE IN HARDNESS, POINTS	+/-15	3	
CHANGE IN TENSILES STRENGTH, %	+/-30	-12.16	
CHANGE IN ULTIMATE ELONGATION,MAX %	-50	-30.29	
COMPRESSION SET, MAX, 22H AT 100℃ （B14 ）	≤25	13.68	D395
FLUID RESISTANCE NO.1 OIL, 70H AT 100℃ (EO14)			D471
CHANGE IN HARDNESS, POINTS	-5~+10	6	
CHANGE IN TENSILES STRENGTH, MAX %	-25	17.91	
CHANGE IN ULTIMATE ELONGATION,MAX %	-45	-11.62	
CHANGE IN VOLUME %	-10~+5	-7.54	
FLUID RESISTANCE NO.3 OIL, 70H AT 100℃ (EO34)			D471
CHANGE IN HARDNESS, POINTS	-10~+5	-5	
CHANGE IN TENSILES STRENGTH, MAX %	-45	11.37	
CHANGE IN ULTIMATE ELONGATION,MAX %	-45	-15.77	
CHANGE IN VOLUME %	0~+25	5.08	
WATER RESISTANCE:100℃,70H (EA14)			D471
CHANGE IN HARDNESS, POINTS	±10	2	
CHANGE IN VOLUME %	±15	-1.89	
LOW-TEMPERATURE BRITTLENESS NONBRITTLE			
AFTER 3MIN AT -40°C (F17)	NONBRITTLE	PASS	D2137

Remark:

1. The data are based on testing slabs I buttons and are for reference purpose only..
2. Our compound can meet above -mentioned ASTM 2000 Spec.
3. This information is, to the best of our knowledge, accurate reliable to the date indicated.
4. 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