

VITON 75 F

TEST REPORT

A	COLOUR	BLACK		
B	OPERATING TEMP RANGE	(-) 25 TO (+) 200 DEG C		
C	COMPLYS TO	ASTM D2000 M2HK814 A1-10 B37 EF31 E078 F16 Z1 (Z1=F GRADE)		
D	PHYSICAL PROPERTIES	PRESS CURE @ 170 DEG C X 10 MIN POST CURE @ 230 DEG C X 24 HOURS		
			<u>REQUIREMENTS</u>	<u>RESULTS</u>
		HARDNESS SHORE A	75 (+ OR - 5)	76
		TENSILE STRENGTH MPA	14	18.7
		ELONGATION %	150	283
		SPECIFIC GRAVITY		1.867
E	HEAT RESISTANCE	TESTED AT 250 DEG C FOR 70 HOURS		
		HARDNESS CHANGE (POINTS)	(+10)	(+1)
		TENSILE STRENGTH CHANGE %	(-)25	(+7)
		ELONGATION CHANGE %	(-)25	(-4)
F	COMPRESSION SET	CURING CONDITIONS PRESS CURE @ 170 DEG C X 20 MINS POST CURE @ 230 DEG C X 24 HOURS HEAT AGING @ 175 DEG C X 22 HOURS %	50	9
G	ASTM NO 1	OIL IMMERSION @ 200 DEG C X 70 HOURS		
		HARDNESS CHANGE (POINTS)	(-)15 TO (+)5	(-)7
		TENSILE STRENGTH CHANGE %	(-)40	(-)25
		ELONGATION STRENGTH CHANGE %	(-)20	(-)12
		VOLUME CHANGE %	0 TO (+)15	(+10)
H	FUEL C	OIL IMMERSION @ RT X 70 HOURS		
		HARDNESS CHANGE POINTS	+)(-)5	(-)2
		TENSILE STRENGTH CHANGE %	(-)25	(-)11
		ELONGATION STRENGTH CHANGE %	(-)20	(-)10
		VOLUME CHANGE %	0 TO (+)10	(+3)
		LOW TEMP BRITTLENESS TESTS AFTER 3 MINS @ -35 DEG C	NON BRITTLE	

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