



**TEST REPORT - NITRILE 50**

		COMP	N5001B
		MFR	8063
Complies to	ASTM D2000 M2BG507 A14 B14 EO14 EO34 F17		
Colour	BLACK		
Temp range	-30C TO +100C		
	PRESS CURE 170C FOR 10 MINS		
	POST CURE 120C FOR 1 HR		
Properties	Requirement		Result
	Hardness Shore A	50 +/- 5	49
	Tensile Strength MPA	7.0	8.4
	Elongation %	350	662
	Specific Gravity		1.233
Heat Resistance	100C FOR 70 HRS		
	Hardness Change	+/- 15	+ 4
	Tensile Strength Change	+/- 3.0	+ 1
	Elongation Change %	- 50	- 15
Compression Set	100C FOR 22 HRS	25	9
Fluid Resistance Test	NO.1 Oil Immersion @ 100C FOR 70 HRS		
	Change in Hardness, Max Points	-5~+10	+ 4
	Tensile Strength Change %	-25	+ 16
	Elongation Change %	-45	- 9
	Change in Volume	-10~+5	- 2
Fluid Resistance Test	ASTM IRM 903 Oil Immersion @ 100C FOR 70 HRS		
	Change in Hardness, Max Points	- 10~ +5	- 8
	Tensile Strength Change %	-45	- 13
	Elongation Change %	-45	- 18
	Change in Volume %	0~+25	+8
Low Temp Brittleness	-40C FOR 3 MINS		PASS

Please note that these results are for reference purposes only and Supaseal makes no warranty, expressed or implied, that parts manufactured from this compound will perform satisfactorily in the customer's application. It is the customers responsibility to test and evaluate parts prior to use.

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