

TEST REPORT - SILICONE 50

		COMP	S5001R
		MFR	8063
Complies to	ASTM D2000 M5GE506 A19 B37 EO16 EO36		
Colour	RED		
Temp range	-60C TO +200C		
	PRESS CURE 170C FOR 10 MINS		
	POST CURE 200C FOR 4 HRS		
Properties		Requirement	Result
	Hardness Shore A	50 +/-5	50
	Tensile Strength MPA	6.0	6.7
	Elongation %	250	388
	Specific Gravity		1.135
Heat Resistance	225C FOR 70 HRS		
	Hardness Change	+10	+2.0
	Tensile Strength Change	-25	-13.0
	Elongation Change	-30	-3.0
Compression Set	175C FOR 22 HRS	25	10
Fluid Resistance Test	ASTM NO.1 Oil Immersion @ 150C FOR 70 HRS		
	Change in Hardness, Max Points	0~-15	-1.0
	Tensile Strength Change %	-20	-13.0
	Elongation Change %	-20	-7.0
	Change in Volume	0~+10	+6.0
Fluid Resistance Test	ASTM NO.3 Oil Immersion @ 150C FOR 70 HRS		
	Change in Hardness, Max Points	-30	-10.0
	Change in Volume %	+60	+29.0

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 customer's responsibility to test and evaluate parts prior to use.

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