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Fujipoly Technical Information SARCON® PG80A series

Extremely Compressible Gap Filler Type
Highly Conformable, Non-Flammable
and Higher Thermal interface materials

FEATURES

• SARCON® PG80A is Silicone Putty Gap Filling and higher heat transferring. The surface consistency is excellent of filling small air gaps and uneven mating surfaces, making reliable contact with various shapes and sizes of components.



CONSTRUCTIONS

SARCON® PG80A-00

• Double sticky surfaces



- PG80A-00-50BL : 0.5 ± 0.10mm
- PG80A-00-100BL : 1.0 ± 0.15mm
- PG80A-00-150BL : 1.5 ± 0.25mm
- PG80A-00-200BL : 2.0 ± 0.35mm

TYPICAL PRODUCT PROPERTIES

Properties		unit	PG80A			Test Method	
Physical	Thickness	mm	0.5 to 2.0			ASTM D374	
	Specific Gravity	-	3.3			ASTM D 792	
	Color	-	Blue			Visual	
	Compression Force (psi)		mm	00-50BL 0.5	00-100BL 1.0	00-200BL 2.0	ASTM D 575-91 Specimen: Dia. 28.6mm Velocity: 5.0mm/min
		10%		11.3	9.5	6.6	
		20%		43.3	29.5	16.3	
		30%		76.4	48.7	25.1	
40%			107.4	66.2	31.7		
50%			137.1	84.7	37.6		
Sustain		29.0	14.7	9.3			
Thermal	Thermal Conductive	W/m-K	13.0			ASTM D5470	
			8.0			Hot Disk	
	Thermal Resistance (°C-in ² /W)	mm	00-50BL 0.5	00-100BL 1.0	00-200BL 2.0	TIM Tester ; ASTM D 5470 Specimen: Dia.33.0mm	
		100kPa 14.5psi	0.08	0.17	0.28		
		300kPa 43.5psi	0.05	0.06	0.08		
	500kPa 72.5psi	0.03	0.05	0.05			
Flame Retardant	-	V-0			UL94		
Electrical	Volume Resistivity	Ohm-m	1x10 ¹¹			ASTM D257	
	Breakdown Voltage	kV/mm	12			ASTM D149	

Thermal Conductivity ; Based on Fujipoly Test Method, FTM P-1612 by Hot Disk and FTM P-3030 by ASTM D5470 modified.

NOTES

• Properties of the products may be revised due to some changes for improving performance. • Properties values in this document are not specification or guaranteed. • This product is made of silicone, and silicone oil may exude from the product. • This product is made of silicone, and low molecular siloxane may vaporize depending on operating conditions. • The product is designed, developed, and manufactured for general industrial use only. Never use for medical, surgical, and/or relating purposes. Never use for the purpose of implantation and/or other purposes by which a part of or whole product remains in human body. • Before using, a safety must be evaluated and verified by the purchaser. • Contents described in the document do not guarantee the performances and qualities required for the purchaser's specific purposes. The purchaser is responsible for pre-testing the product under the purchaser's specific conditions and for verifying the expected performances. • Statements concerning possible or suggested uses made herein may not be relied upon, or be constructed, as a guaranty of no patent infringement. • Statements concerning possible or suggested uses made herein may not be relied upon, or be constructed, as a guaranty of no patent infringement.