

FEATURES

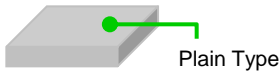
• SARCON® GR80A is highly conformable and high heat conducting gel materials in a versatile sheet form. It easily fits and adheres to most all shapes and sizes of components, including protrusions and recessed areas.



CONSTRUCTIONS

SARCON® GR80A-00

• Double sticky surfaces



- GR80A-00-100GY : 1.0 ± 0.20mm
- GR80A-00-150GY : 1.5 ± 0.20mm
- GR80A-00-200GY : 2.0 ± 0.30mm
- GR80A-00-250GY : 2.5 ± 0.30mm
- GR80A-00-300GY : 3.0 ± 0.30mm

SARCON® GR80A-0H

• GR80A-00 plus additional hardening of the top surface



- GR80A-0H-30GY : 0.3 ± 0.15mm
- GR80A-0H-50GY : 0.5 ± 0.15mm
- GR80A-0H-100GY : 1.0 ± 0.20mm
- GR80A-0H-150GY : 1.5 ± 0.20mm
- GR80A-0H-200GY : 2.0 ± 0.30mm
- GR80A-0H-250GY : 2.5 ± 0.30mm
- GR80A-0H-300GY : 3.0 ± 0.30mm

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.

TYPICAL PRODUCT PROPERTIES

Properties		unit	GR80A				Test Method	
Physical	Thickness (mm)	00 Type	1.0 to 3.0				ISO 463:2006	
		0H Type	0.3 to 3.0					
	Specific Gravity	-	3.3				ASTM D 792	
	Color	-	Light Gray				Visual	
	Hardness	Shore OO	75				ASTM D 2240	
	Tensile Strength	MPa	0.3				ASTM D412	
	Elongation	%	50				ASTM D412	
	Compression Force (N)	mm		0H-30GY	0H-50GY	00-100GY	00-200GY	ASTM D 575-91 Specimen: Dia.28.6mm Velocity: 5.0mm/min
			10%	68	106	82	60	
			20%	193	312	229	183	
30%			356	568	468	379		
40%			510	832	698	608		
50%			678	1145	930	794		
Sustain			660	861	389	319		
Thermal	Thermal Conductive	W/m-K	13.0				ASTM D5470	
			8.0				Hot Disk method	
	Thermal Resistance (°C-cm²/W)	mm		0H-30GY	0H-50GY	00-100GY	00-200GY	TIM Tester ; ASTM D 5470 Specimen: Dia.33mm
			100kPa /14.5psi	0.6	0.8	1.1	2.3	
			300kPa /43.5psi	0.5	0.7	1.0	2.0	
500kPa /72.5psi			0.4	0.7	0.9	1.6		
Flame Retardant	-	V-0				UL94		
Electrical	Volume Resistivity	Ohm-m	1x10 ¹¹				ASTM D257	
	Breakdown Voltage	kV/mm	15				ASTM D149	
	Dielectric Strength	kV/mm	8				ASTM D149	