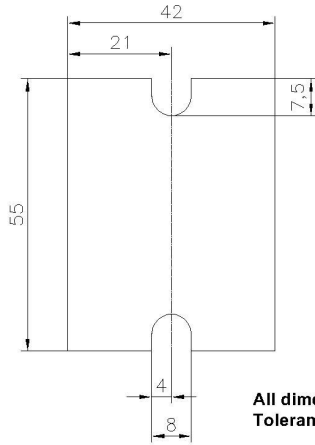


Features

- * Thermal impedance : 0.22 °C-in²/W (@50 psi)
- * Maximum heat transfer
- * Aluminium foil coated both sides
- * Designed to replace thermal grease

The TPQ2 - 1 is a composite of .0015" aluminium foil coated on both sides with .0025" thermally/electrically conductive Sil-Pad rubber. The material is designed for those applications in which maximum heat transfer is needed and electrical isolation is not required.

It is the ideal thermal interface material to replace messy thermal grease compounds.



Typical Applications

- * This particular shape is to be used on hocky puck type of solid state relays to be attached between the cooling plate and the heat sink
- * Other shapes can be used between a transistor and a heat sink
- * Between a heat sink and a chassis
- * U.L.. File Number E59150

Technical data

TYPICAL PROPERTIES						
PROPERTY	IMPERIAL VALUE		METRIC VALUE		TEST METHOD	
Color	Black		Black		Visual	
Reinforcement Carrier	Aluminium		Aluminium		-	
Thickness (inch) / (mm)	0,006		0,152		ASTM D374	
Hardness (Shore A)	93		93		ASTM D2240	
Continuous Use Temp (°F) / (°C)	-76 to 356		-60 to 180		-	
ELECTRICAL						
Dielectric Breakdown Voltage (Vac)	Non-Insulating		Non-Insulating		ASTM D149	
Dielectric Constant (1000 Hz)	NA		NA		ASTM D150	
Volume Resistivity (Ohm-meter)	10 ²		10 ²		ASTM D257	
Flame Rating	94 V-0		95 V-0		U.L.	
THERMAL						
Thermal Conductivity (W/m-K)	2,5		2,5		ASTM D5470	
THERMAL PERFORMANCE vs PRESSURE						
Pressure	10	25	50	100	200	psi
Thermal Impedance	0,52	0,30	0,22	0,15	0,12	°C-in ² /W
Thermal Impedance TPQ2-1 used on hocky puck SSR	0,15	0,08	0,06	0,04	0,033	K/W or °C/W