

Foil-Format Grease Replacement for Maximum Heat Transfer

Features and Benefits

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



Q-Pad II is a composite of aluminum foil coated on both sides with 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. Q-Pad II is the ideal thermal interface material to replace messy thermal grease compounds.

Q-Pad II eliminates problems associated with grease such as contamination of reflow solder or cleaning operations. Unlike grease, Q-Pad II can be used prior to these operations. Q-Pad II also eliminates dust collection which can cause possible surface shorting or heat buildup.

Alum 0.0	inum 106	Bla Alum	CVALUE ack ainum	TEST M Vis		
Alum 0.0	inum 106	Alum	inum	Vis	ual	
0.0	06			_		
		0.1		_		
9	2	0.152		ASTM D374		
	93		93		ASTM D2240	
-76 to 356		-60 to 180		_		
Non-Insulating		Non-Insulating		ASTM D149		
NA		NA		ASTM D150		
10 ²		102		ASTM D257		
V-O		V-O		U.L.94		
2.5		2.5		ASTM D5470		
JRE						
ure (psi)	10	25	50	100	200	
(°C/W)	2.44	1.73	1.23	1.05	0.92	
² /W) (I)	0.52	0.30	0.22	0.15	0.12	
	Non-In N 10 V- 2 JRE Lire (psi) (°C/W) ?/W) (1)	Non-Insulating NA 10² V-O 2.5 JRE JRE Jre (psi) 10 2.44	Non-Insulating Non-In NA	Non-Insulating Non-Insulating NA	Non-Insulating Non-Insulating ASTM NA NA ASTM 10² 10² ASTM V-O V-O U.L 2.5 2.5 ASTM JRE ure (psi) 10 25 50 100 (°C/W) 2.44 1.73 1.23 1.05	

1) The ASTM D5470 test fixture was used. The recorded value includes interfacial thermal resistance. Thesevalues are provided for reference only. Actual application performance is directly related to the surface roughness, flatness and pressure applied.

Typical Applications Include:

- Between a transistor and a heat sink
- Between two large surfaces such as an L-bracket and the chassis of an assembly
- Between a heat sink and a chassis
- Under electrically isolated power modules or devices such as resistors, transformers and solid state relays

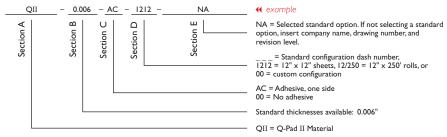
Configurations Available:

- Sheet form, die-cut parts and roll form
- With or without pressure sensitive adhesive

Building a Part Number

Standard Options

Sil-Pad®: U.S. Patents 4,574,879; 4,602,125; 4,602,678; 4,685,987; 4,842,911 and others



Note: To build a part number, visit our website at www.bergquistcompany.com.