



TM

Thermal Interface Materials Technical Data Sheet

Thermal Pad

TDS No.: DB-TDS-178 Rev. A

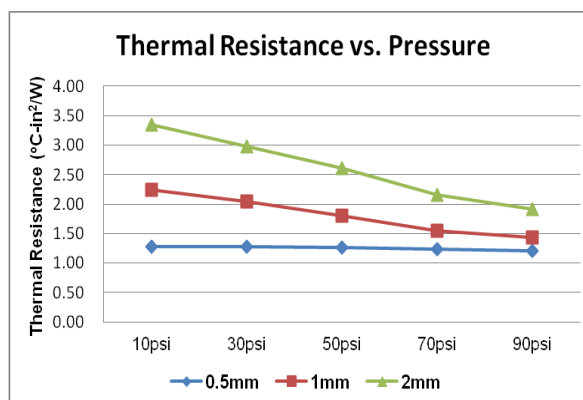
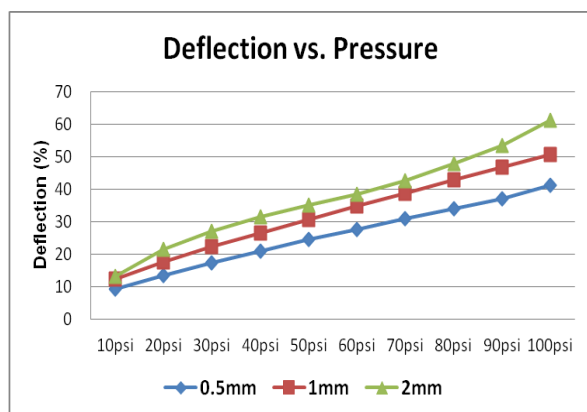


Product Name: 68810(DP-P1000IE)

DP-P1000IE is a mid-thermally conductive, reinforced material with one-side silicone cloth insulator, and low thermal resistances can be achieved at low pressures. This soft interface pad conforms well to minimal pressure, resulting in excellent interfacing and wet-out characteristics, even to surfaces with high roughness for air voids and gaps. DP-P1000IE is one-side naturally tacky, and be perfect insulator property as silicone cloth, to provide easy handling.

DP-P1000IE Technical Data

Property	Results	Methods
Construction & Composition	Ceramic filled silicone sheet	-
Color	Red & White	Visual
Thickness Range	0.020" - 0.200"(0.5 - 5mm)	-
Natural tacky	One side	-
Density	1.9 g/cc	ASTM D792
Hardness	5 (Shore OO)	ASTM D2240
Young's Modulus	9psi	ASTM D575
Temperature Range	-40°C to 200°C	-
UL Flammability Rating	94V0	UL
Thermal Property		
Thermal Conductivity	1.0 W/mK	Hot Disk
Electrical Property		
Dielectric Breakdown Strength	≥250V/mil	ASTM D149
Volume Resistivity	1x10 ¹¹ ohm-cm	ASTM D257
Dielectric Constant @1MHz	5.5	ASTM D150



Note

Above technical data is from trial in lab, which can only be used for analysis for trial because of different situation. So, Darbond does not undertake any responsibility for the use problems of special condition.

If costumers are in the course of any problems or suggestions for use, you can give us feedback in any way. We will, as always, sincerely serve you

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