Technical specification

Gap Pad VO Ultra Soft

Description Ultra conformable, thermally conductive material for filling air gaps, low hardness. “Gel-like” modulus, decreased strain, puncture, shear and tear resistant, electrically isolating. Typical applications: telecommunications, power conversion, computer and peripherals. Between heat-generating semiconductors or magnetic components and a heat sink. Area where heat needs to be transferred to a frame, chassis or other type of heat spreader.

Properties	Unit	Value	Test method
Colour		Light yellow	Visual
Reinforcement carrier		Fiberglass	
Thickness	Mm	0,508 to 6,350	ASTM D374
Inherent surface tack (1 sided)		1	
Density (Bulk rubber)	g/cc	1,6	ASTM D792
Heat Capacity	J/g-K	1,0	ASTM E1269
Hardness (Bulk Rubber)	Shore 00	5	ASTM D2240
Young’s Modulus	kPa	55	ASTM D575
Continuous use temperature	˚C	-60 to 200	
Dielectric Breakdown Voltage	Vac	6000	ASTM D149
Dielectric Constant	1000 Hz	5,5	ASTM D150
Volume Resistivity	Ohm – meter	10^11	ASTM D257
Flame rating	Mm	V-O	U.L. 94
Thermal conductivity	W/m-K	1,0	ASTM D5470
Thermal impedance at			
10 % deflection	˚C-in²/W 0,040” (3)	1,97	
20 % deflection	˚C-in²/W 0,040” (3)	1,87	
30 & deflection	˚C-in²/W 0,040” (3)	1,68	

This specification is given by our best knowledge and might be submitted to changes.

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