

High Performance Thermal Management

Introducing TEK-SIL GP4X Gap Filler Pad from Teknational.

With thermal resistance of up to 0.92 °Cin²/W and conductivity of up to 6.0 watt/m-k, it is the ideal interface material for your precision electronic assembly.

Call us today for a free sample and price quote.

GP4X SERIES	IDENTIFIER	TEST METHOD	GP MATERIAL						GPH MATERIAL					
Extractable Volatiles	Content % Cyclodimethyl Siloxane	Plant	D4~D10 <0.0010 wt%						D4~D10 <0.0010 wt%					
Continuous Units	°C	Plant	-60° to +200°						-60° to +200°					
			GP4X-20	GP4X-40	GP4X-60	GP4X-79	GP4X-98	GP4X-118	GP4XH-20	GP4XH-40	GP4XH-60	GP4XH-79	GP4XH-98	GP4XH-118
Thickness	mm	Plant	0.5 ^{±0.1}	1.0 ^{±0.2}	1.5 ^{±0.2}	2.0 ^{±0.3}	2.5 ^{±0.3}	3.0 ^{±0.3}	0.5 ^{±0.1}	1.0 ^{±0.2}	1.5 ^{±0.2}	2.0 ^{±0.3}	2.5 ^{±0.3}	3.0 ^{±0.3}
Thermal Resistance	°Cin ² /W	FTM P-3020 (ASTM D5470 Equivalent)	0.21	0.32	0.48	0.64	0.75	0.84	0.27	0.45	0.58	0.75	0.84	0.92
Color	Visual	Plant	Dark Reddish Gray						Dark Reddish Gray					
Thermal Conductivity	watt/m-k	PTM P-1620 (ASTM D2236 Equivalent)	6.0						6.0					
Volume Resistivity	MΩ•m	ASTM D257	1.3x10 ⁶						1.0x10 ⁵					
Withstand Voltage	kV/mm•AC	ASTM D149	13						13					
Specific Gravity	gr/cm ³	ASTM D792	3.2						3.2					
Hardness	Shore OO	ASTM D2240	52						52					
Elongation	%	ASTM D412	80						80					
Compression	Kgf/in ² @10%	Plant	8.5	10.7	8.4	8.1	7.0	5.7	13.9	15.6	14.6	9.3	9.5	8.3
	50% sustain after 1 minute		53.7	50.6	46.5	39.5	38.5	30.2	76.6	74.6	88.8	54.2	50.3	42.5

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TekNational, Inc.
www.teknational.com