



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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TG4040S

High Performance Thermal Interface Materials



Features

Low hardness
Naturally tacky
Low oil bleed

Applications

Electronic components: IC / CPU / MOS
LED / M/B / P/S / Heat Sink / LCD-TV / Notebook PC / PC / Telecom Device / Wireless Hub etc....
DDR II Module / DVD Applications / Hand-Set applications etc...



Properties

Property	TG4040S	Unit	Test Method
Colour	Blue	-	Visual
Construction	Silicone Gel	-	-
Optimum Temp. Range	-45 to 200	°C	-
Density	2.6	g/cm ³	ASTM D792
Thermal Conductivity	4.2	W/mK	ASTM D5470
Shore 00	20	-	ASTM D2250
t=1.0mm Thermal impedance @10psi	0.55	K-in ² /W	ASTM D575
t=1.0mm Thermal impedance @50psi	0.41	K-in ² /W	ASTM D575
t=1.0mm Thermal impedance @100psi	0.33	K-in ² /W	ASTM D575
t=1.0mm Percent Deflection % @10psi	30	%	ASTM D575
t=1.0mm Percent Deflection % @50psi	56	%	ASTM D575
t=1.0mm Percent Deflection % @100psi	79	%	ASTM D575
Breakdown Voltage	14	KV/mm	ASTM D149
Volume Resistance	10 ¹²	Ohm-cm	ASTM D257
Total Mass Loss	<0.4	%	ASTM E595
Tensile Strength	15	PSI	ASTM D412
Elongation	50	%	ASTM D412
Flammability Rating	V-0	-	UL 94
REACH/RoHS Compliant	Yes	-	REACH/RoHS

TML TESTING REPORT 150°C 24h

Items	Unit	Testing Data							VC% = $\frac{A-B}{A} \times 100\%$
		No.1	No.2	No.3	No.4	No.5	Average		
A	Before Baking	g	8.0238	8.0609	8.7119	8.5320	8.2350	-	
B	After Baking	g	8.0087	8.0466	8.6946	8.5151	8.2190	-	
VC	Volatile	%	0.19	0.18	0.20	0.20	0.19	0.19	