

TG4040 PUTTY

Thermal Putty

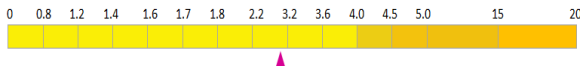


Features

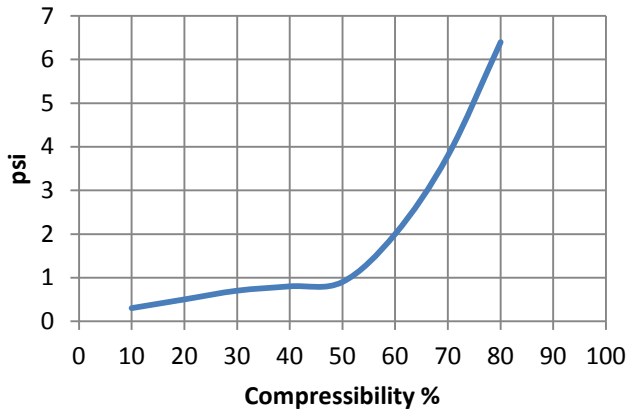
TG4040 Putty is a silicone-type spacer with 3 W/m.K
Have enough compressibility,
and restore to original state after unloaded
It has very low thermal resistance
and good creep performance
It is the best for north bridge IC

Properties

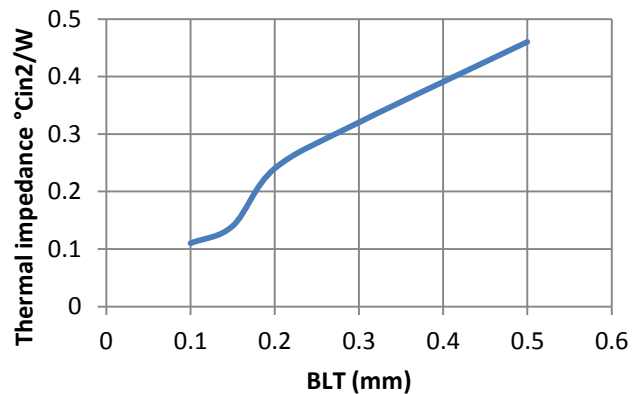
Thermal Conductivity: 3.0 W/m.K



Have enough compressibility



Very low thermal resistance



Reliability

Thermal Impedance	Initial	250 Hr	500 Hr	1000 Hr
80°C Aging	0.117	0.118	0.118	0.121
150°C Aging	0.117	0.119	0.122	0.12
85°C/85% RH	0.117	0.121	0.125	0.123

Properties	TG4040 Putty	Unit	Tolerance	Test Method
Color	Blue	-	-	Visual
Solid content	100(one-part)	%	-	-
Viscosity 0.5rpm	3,000	Pas	-	Brookfield
Density	2.6	g/cm3	-	ASTM D792
Thermal Conductivity	3	W/m.K	±0.3	ASTM D5470
Low MW Siloxane (D4-10)	50	ppm	-	GC/MS
TML	0.3	%	-	ASTM E595
CVCM	0.09	%	-	ASTM E595
Volume Resistivity	10 ¹⁴	Ohm-cm	-	ASTM D257
Working Temperature	-50 to 180	°C	-	-

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Thermal Interface Materials: Thermal Pad, Thermal Tape, Thermal Grease, Ceramic Heat Spreader



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