

Dispensable Thermal Conductive Non-Silicone Jelly

GP7F7123NS



Description

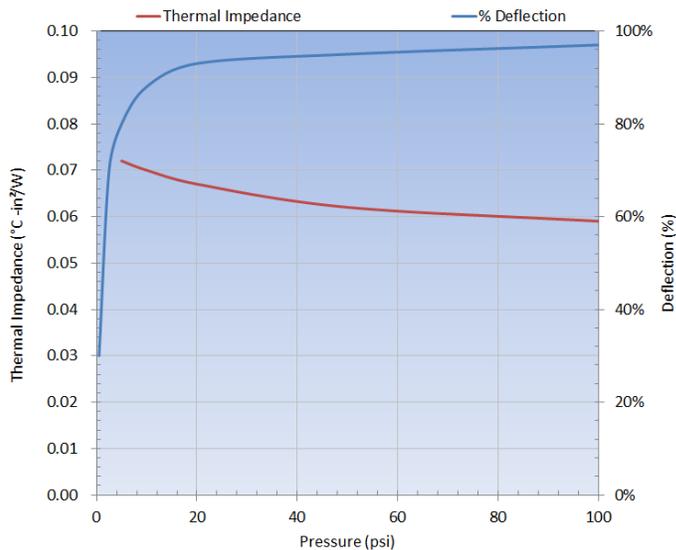
GP7F7123NS is a non-silicone jelly material with high thermal conductivity 5W/m-K, It is a fully pre-cured, auto-dispensable thermal interface material designed for silicone-sensitive applications. GP7F7123NS does not require mixing and additional curing processes, auto-dispensing process can reduce the assembly time and cost, also make the design more flexible.

With the ultra soft properties, GP7F7123NS can easily deflect under very low compression force and will fill voids and rugged surfaces. This material will also wet out matting surfaces in order to efficiently transfer heat from components to the heat sink or metal housing.

Benefits

- No silicone outgassing or extraction
- No pump out, no dry up issues
- No mixing and addition curing processes, easily dispensable
- The ultra soft property provides very low stress on components
- Very low thermal impedance

Compression Vs. Thermal Impedance Vs. Deflection of GP7F7123NS @ 60 ° C



***Please contact us for additional support of high volume dispensing equipment.

Properties	Unit	GP7F7123NS
Elastomer Binder	-	Non-Silicone Jelly
Color	-	Gray
Physical Properties		
Specific Gravity	g/cm ³	3.22
Hardness	Shore OO	10
Thermal Conductivity	W/m-K	5.0
Thermal Impedance @50psi	°C-in ² /W	0.062
Working Temperature Range	°C	-40 to 150
Minimum Bondline Thickness	mm	0.14
Flammability Rating	UL 94	V-0
Electrical Properties		
Volume Resistivity	Ohm-cm	1X10 ¹⁴
Dielectric Strength	Volt/mm	>8000

Standard Packaging: 1cc, 30cc, 50cc, 300cc syringe

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