

TG-S606A-ULR

Non-Silicone Thermal Grease

Version 2.251019

Non-Silicone Thermal Grease

TG-S606A-ULR is a non-silicone thermal grease with one of the lowest thermal resistances of all of our products and is ideal for thin bond line applications. TG-S606A-ULR is also extremely durable and will not pump-out making it ideal for applications requiring extended life and no degradation.

TG-S606A-ULR is provided fully cured and ready for dispensing which gives a significantly simpler design process and allows products to be brought to market with reduced lead-times. This product is also ideally suited for automation and T-Global Technology offers a complete turn-key solution to support this. This product provides:

- A low thermal impedance, when compared to traditional gap filler, for a wide range of gaps, which allows a greater degree of design flexibility to be achieved
- Proven reliability under conditions of thermal cycling, shock and vibration
- Deflects easily under low pressures which decreases stress on fragile or delicate components

Features

Easily dispensable from manual, semi-automatic or fully automatic systems  
Full turn-key support from T-Global  
Low thermal impedance  
High thermal conductivity

Applications

Consumer electronics  
Set-top boxes, IP routers, ECUs, Memory and Power modules

Properties

- ✓ REACH Compliant
- ✓ ROHS Compliant

Property	TG-S606A-ULR	Unit	Test Method
Colour	White	-	Visual
Flow Rate	5-6	g/min	AZ Method
Specific Gravity @ 25°C	3.0	g/ml	ASTM D-70
Bleed, @ 200°C, 24 hrs	0.01%	%/Wt	ASTM 6814-17
Viscosity, 1 sec <sup>-1</sup>	510,000 (25°C) 470,000 (50°C)	cPs	Ares G-2 Rheometer
Evaporation, @150°C, 24 Hr.	<2	%/Wt	FTM-321 modified
Thermal Conductivity @ 25°C	1.6	W/mK	ASTM D5470-17
Operating Temperature Range	-40 - 180	°C	-
Dielectric Strength, 1.25mm gap	10	kV/mm	ASTM D149
Dielectric Constant	5.02	25°C @ 1,000Hz	ASTM D150
Dissipation Factor	0.0022	25°C @ 1,000Hz	ASTM D150
Volume Resistivity	2.0 x 10 <sup>15</sup>	ohm-cm	ASTM D257
Anticipated Bond Line Thickness	7.5	µm	-
Shelf Life	24	months	-

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