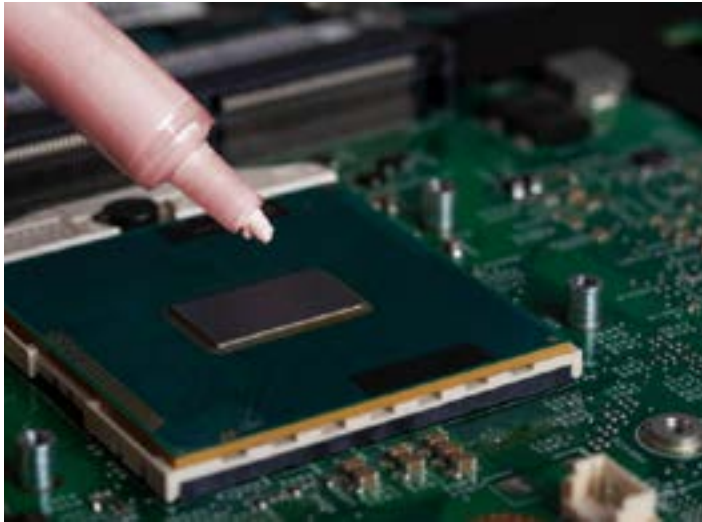


TGL 3.0 - THERMAL GEL

Data Sheet DS_89

1/1



DESCRIPTION

Thermal gels are highly efficient at transferring heat between components, providing excellent thermal conductivity and reducing thermal resistance. They can conform to irregular shapes and surfaces, filling gaps and minimizing air pockets, which improves heat transfer and reduces the risk of overheating. Thermal gels are also easy to apply and remove, making them ideal for testing and prototyping. They are non-toxic and non-corrosive, making them safe for use in sensitive applications such as electronics and medical devices.

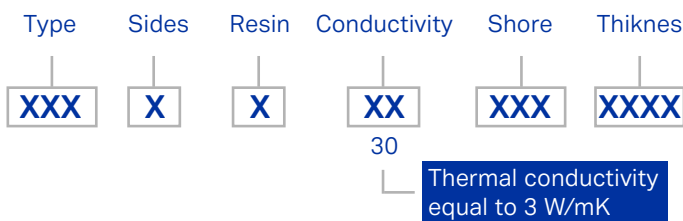
Additionally, thermal gels can be formulated to provide a range of thermal conductivities, making them suitable for a wide range of applications that require effective heat management.



RoHS 3 / REACH
Last updated compliance directive



PART NUMBER:



TYPICAL APPLICATIONS:

- Hard disk, mobile phone
- Optical precision equipment
- Mobile and communication equipment
- Automobile engine control equipment
- High-end industrial control and medical electronics

Properties	UNITS	TGL1S304000030	TEST METHOD
Color	-	Pink	Visual
Extrusion speed	33 ccEFDcartidges, 1", 90 psi	25 g/min	-
Specific gravity	g/cm ³	3.0	Helium true density method
Viscosity	mPa.s	400000	ASTM D2196
Volume resistance	Ω cm	>10 ¹³	ASTM D257
Thermal Conductivity	W/mK	3.0	ASTM D5470
Dielectric breakdown strength	VAC/mil	>200	ASTM D149
Dielectric constant		5.50	ASTM D150
Minimum interface thickness	mm	0.09	-
Operating temperature	°C	-50 / 200	-
Storage time	month	12	-
Thermal expansion coefficient	ppm/K	175	ASTM E831
Flame retardancy	-	V-0	UL 94
RoHS (10)	-	PASS	IEC 62321
Halogen (4)	-	PASS	EN 14582
REACH (191)	-	PASS	EN 14372

STORAGE CONDITIONS

Store in a ventilated, cool and dry place, do no touch open flames. This product is nontoxic and is stored and transported as non-dangerous goods.