

HIGH THERMAL CONDUCTIVITY

TG30



TG30 is a highly thermally conductive silicone grease compound. Its soft consistency and good dielectric properties enable TG30 to be used within a wide variety of applications within the electronics industry.

TG30 is one part dispensing and past-like in consistency. Once applied, either manually, automatically or semi-automatically TG30 delivers low bleed properties and low volatility.

TG30 will maintain an optimum level of performance over a wide operating temperature range, ensuring components and devices within electronic equipment remain thermally connected during cycling.

TG30 is available in syringes and containers.

Properties	Unit	TG30	Test Method
Base material		Silicone based thermal grease	Visual
Color		Light grey	Visual
Thermal Properties			
Thermal conductivity through	W/mK	3.0	ASTM D5470
Operating temperature	°C	-50 to 200	
Electrical Properties			
Dielectric strength @ 1MHz	kV/mm	18	ASTM D149
Dielectric constant @ 1 MHz		4.9	ASTM D150
Volume resistivity	Ω cm	1.1E+15	BS6233
Dissipation factor @ 1kHz		0.0021	ASTM D150
Mechanical Properties			
Bleed @ 200°C for 30 hours	%	0.20	
Weight loss @ 200°C for 30 hours	%	0.20	
Specific gravity @ 25°C		2.9	BS ISO 2781
Physical Properties			
Standard packaging	ml / kg	Syringes and containers	
Shelf life	Months	12	

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Ordering example:

TG30-1000

TG = Thermal Grease / 30 = 3W/mK / 1000 = 1kg