

# HIGH THERMAL CONDUCTIVITY

# TG92



TG92 is a high-quality thermal grease. It is a ceramic-filled single-component silicone with a high thermal conductivity. The non-cross-linked thermal compounds do not dry out. The silicon components do not leak from the compound.

TG92 is a homogeneous and thixotropic grease that shows a very good fluidity thanks to its good viscosity characteristics. An optimum surface adaptation is guaranteed.

TG92 does not cure, dry out or melt under normal application conditions.

TG92 can be supplied in syringes (5 ml) or in cans (0.5 kg or 1.0 kg)

Properties	Unit	TG92	Test Method
Base material	-	Silicone based thermal grease	Visual
Color	-	Antracite	Visual
<b>Thermal Properties</b>			
Thermal conductivity through	W/mK	9.2	
Thermal resistance $R_{th}$	K/W	0.0068	
Thermal impedance $R_{ti}$	Kmm <sup>2</sup> /W	2.72	
Operating temperature	°C	-60 to 200	
<b>Electrical Properties</b>			
Electrical conductivity	pS/m	0	
<b>Mechanical Properties</b>			
Measured thickness (+/-10%)	Mm	0.025	
<b>Physical Properties</b>			
Density	g/cm <sup>3</sup>	1.9	
Viscosity (Shear rate 4s <sup>-1</sup> / 25°C)	Pas	90 - 140	
Total mass loss (TML)	Ma.-%	< 0.80	
Standard packaging	Syringes in ml /Cans in kg	5 / 0.5 - 1.0	
Shelf life	Months	12	

Ordering example:

01/18

## TG92-1000

**TG = Thermal Grease / 92 = 9.2W/mK / 1000 = 1kg**