

SILICONE-FREE THERMAL GREASE

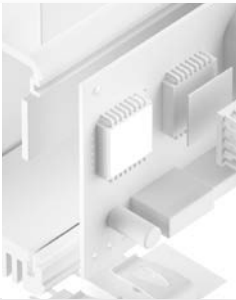
highly thermally conductive

TGR-J-NS

HALA



TGR-J-NS is high performing silicone-free thermal grease based on an ester oil matrix. It is ideal for use in applications where a very good and highly reliable thermal transfer must be achieved. Due to the specific formulation and filling with ceramic particles the material has a high thermal conductivity. By its use the thermal contact is maximised, hence the total thermal resistance is minimised.



Release 09 / 2026

PROPERTIES

- ☐ Thermal conductivity: 2.0 W/mK
- ☐ Silicone-free
- ☐ Dispensable
- ☐ Almost zero pressure at assembly
- ☐ Dielectric strength
- ☐ Operating temperature range: -40 to 150°C

AVAILABILITY

- ☐ Syringes 70 ml
- ☐ Jars 1 kg

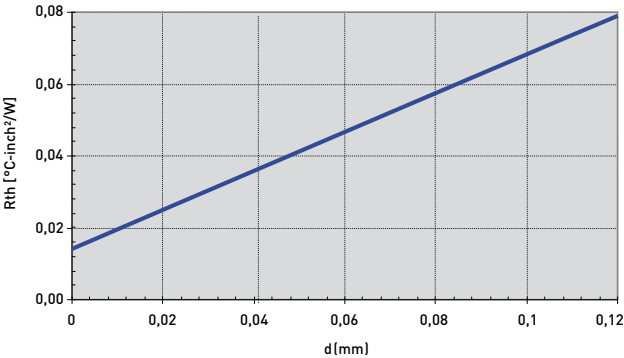
APPLICATION EXAMPLES

- Thermal link of:
- ☐ LED Boards
 - ☐ Power modules
 - ☐ RDRAMs memory modules
 - ☐ Flip Chips, DSPs , BGAs, PPGAs
- For use in Automotive applications / Power electronics / Light technology / Industrial PCs

Technical Data Sheet

PROPERTY	UNIT	TGR-J-NS
MATERIAL		
Colour		White
Density	g /cm³	3.1
Viscosity @ 25°C (Brookfield @ 10 rpm, 25 °C)	Pas	170
RoHS Conformity	2015 / 863 / EU	Yes
THERMAL		
Thermal Conductivity	W/mK	2.0
Operating Temperature Range	°C	- 40 to + 150
Storage Temperature	°C	< 35
Shelf Life (from Date of Manufacturing, unopened)	Months @ RT	12
ELECTRIC		
Dielectric Strength	kV / mm	5.0

Typical, non-binding values. Not intended for specification purposes. Subject to technical changes. Please contact us for further information.



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