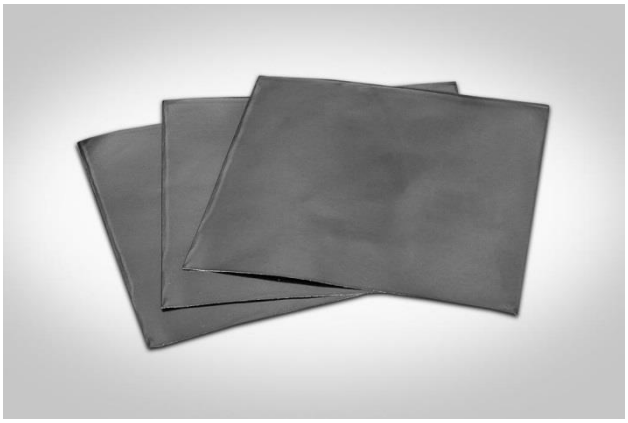
GRAPHITE FOILS
TCGR-SERIES

Graphite interface materials are made from pure graphite or synthetic graphite and are not electrically insulating. They combine high thermal conductivity with very low thermal contact resistance. The graphite structure's thermal conductivity in the X-Y direction (in-plane direction) and Z direction (through direction) is anisotropic.

These interface materials are ideal for heat dissipation away from hot spots. Due to their natural softness, they adapt perfectly to the contact surfaces even under little pressure, expelling air pockets and greatly reducing thermal contact resistance (and consequently, total thermal transfer resistance).

- Excellent thermal conductivity
- Very low heat transfer resistance
- Excellent processability
- Effectively replace thermal pastes
- Available with our without adhesive



RoHS ✓ REACH ✓

PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
THERMAL		
Thermal conductivity - X-Y Axis	240 – 1500 W/mK	ASTM D5470
Thermal conductivity – Z Axis	5 – 12 W/mK	ASTM D5470
PHYSICAL		
Composition	Natural or synthetic graphite	-
Graphene thickness (T)	0,017 – 0,5 mm	
PSA thickness (optional)	12 µm	ASTM D374
Temperature range	-40 – 400 °C (without adhesive)	
Shelf life	6 months	

Due to the large number of different compositions and delivery options, please send us your specific request.