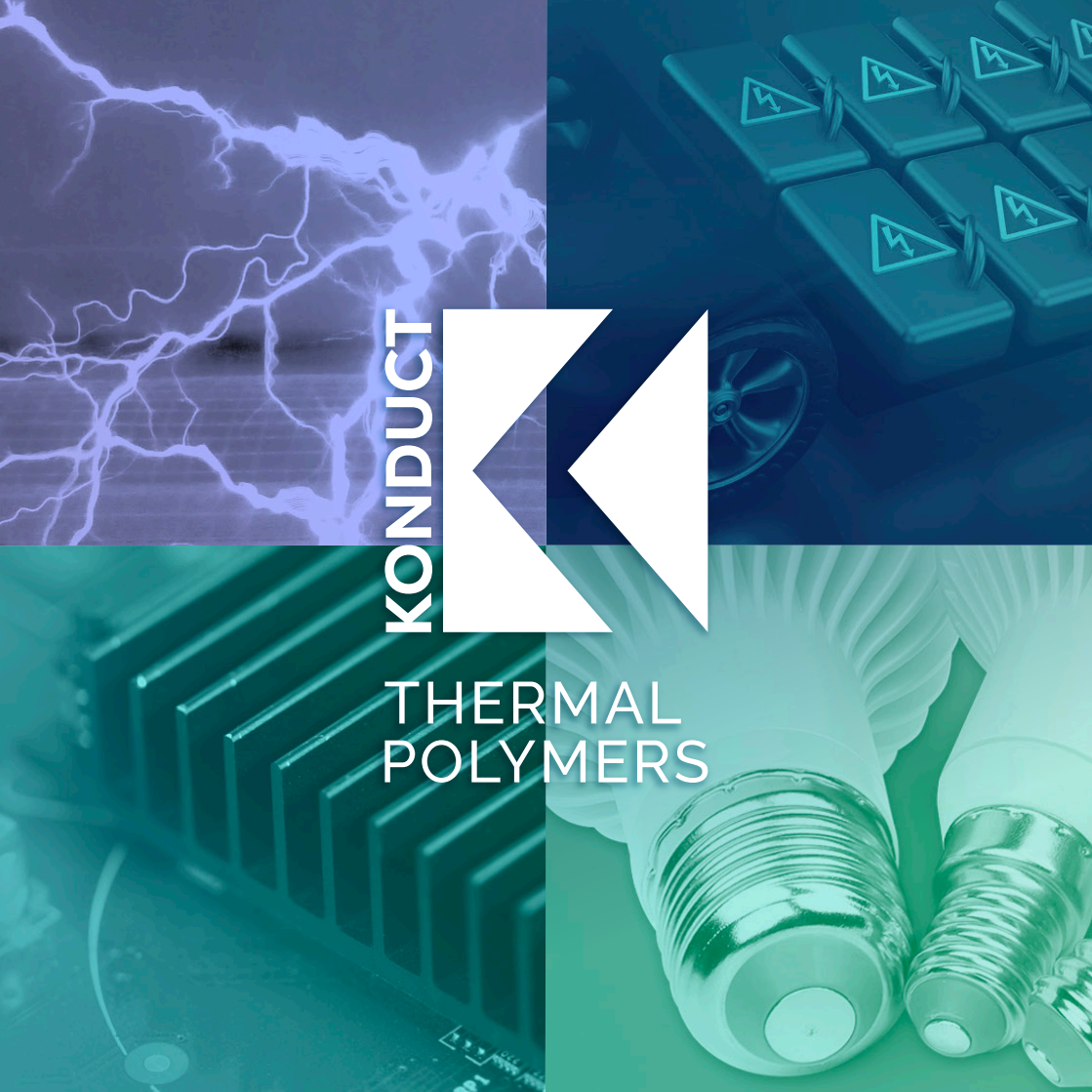
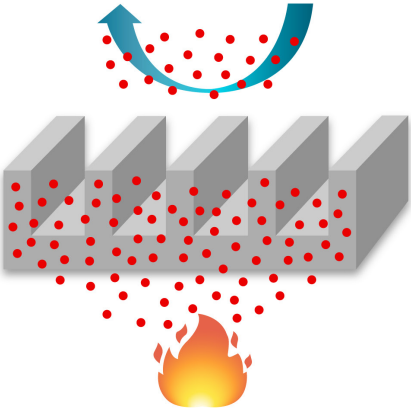

KONDUCT
THERMAL
POLYMERS

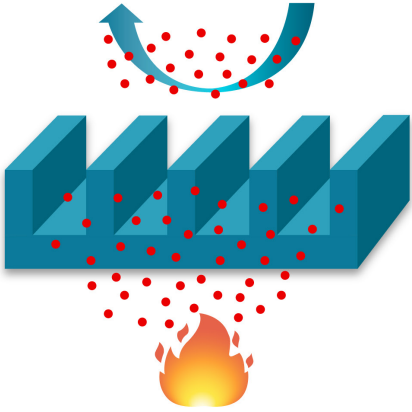
THERMALLY CONDUCTIVE ▶

KONDUCT can assist in developing and supplying conductive polymer compound to meet your specific thermal management challenges.

In many thermal management situations, most of the heat transfer is typically convection limited (free air cooling). A well designed thermally conductive polymer can potentially keep up with the convection rate and perform equally as well as a metal.



METAL

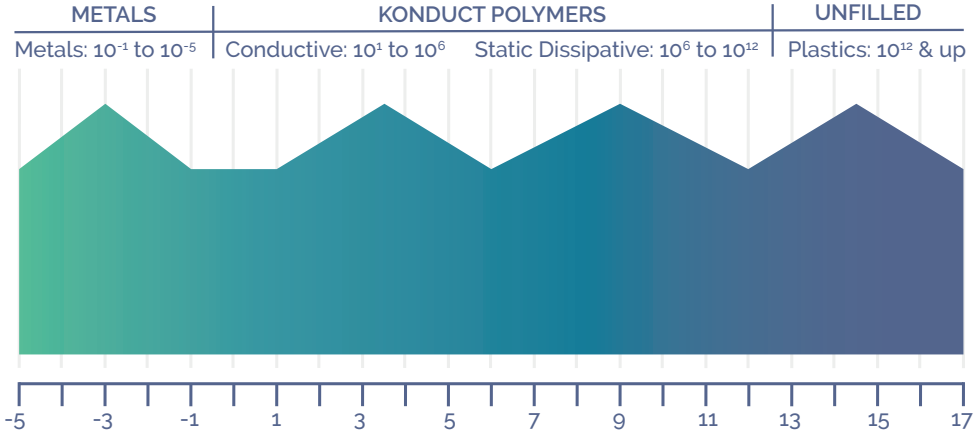


THERMALLY CONDUCTIVE POLYMER

ELECTRICALLY CONDUCTIVE

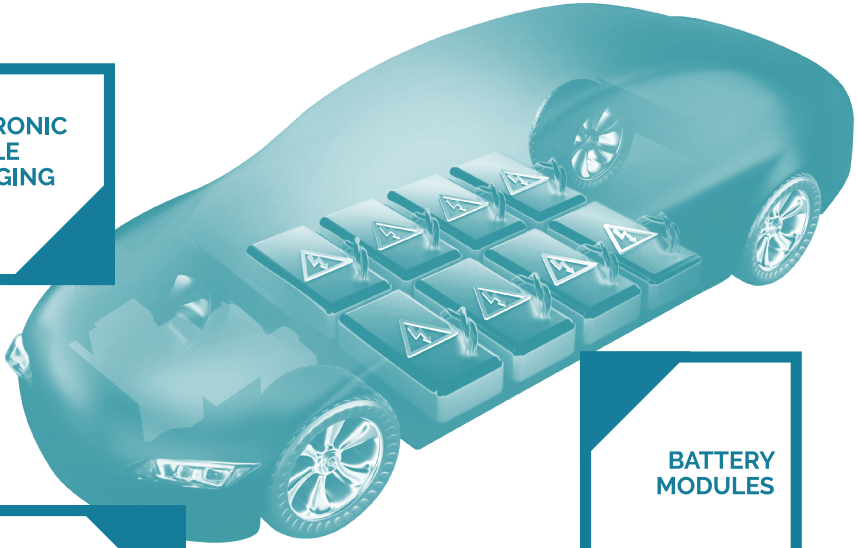
Polymers are typically classed as electronically insulating materials and are often used for insulation applications in electrical devices. However, there are many applications which call for traditional benefits of polymers over, for example, metals (low weight, no corrosion etc) whilst also requiring specific levels of electrical conductivity.

The below chart illustrates the conductivity ranges of surface resistance between unfilled plastics & metals:



AUTOMOTIVE ▶

As automotive applications become more demanding and technologies such as all-electric vehicles grow, the potential applications and benefits of thermally conductive polymers will grow alongside.



ELECTRONIC MODULE PACKAGING

BATTERY MODULES

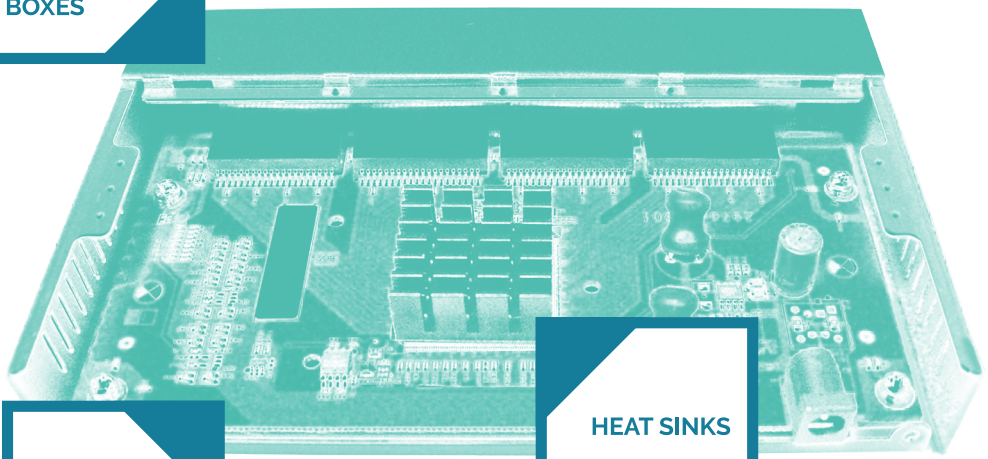
LED MODULES, BRACKETS & FRAMES

ELECTRICAL

As applications miniaturize due to technology advancements and space constraints, heat build-up and dissipation are becoming of increasing importance. The use of thermally conductive polymers can be an effective solution for you and your products.

ELECTRICAL HOUSINGS

JUNCTION BOXES



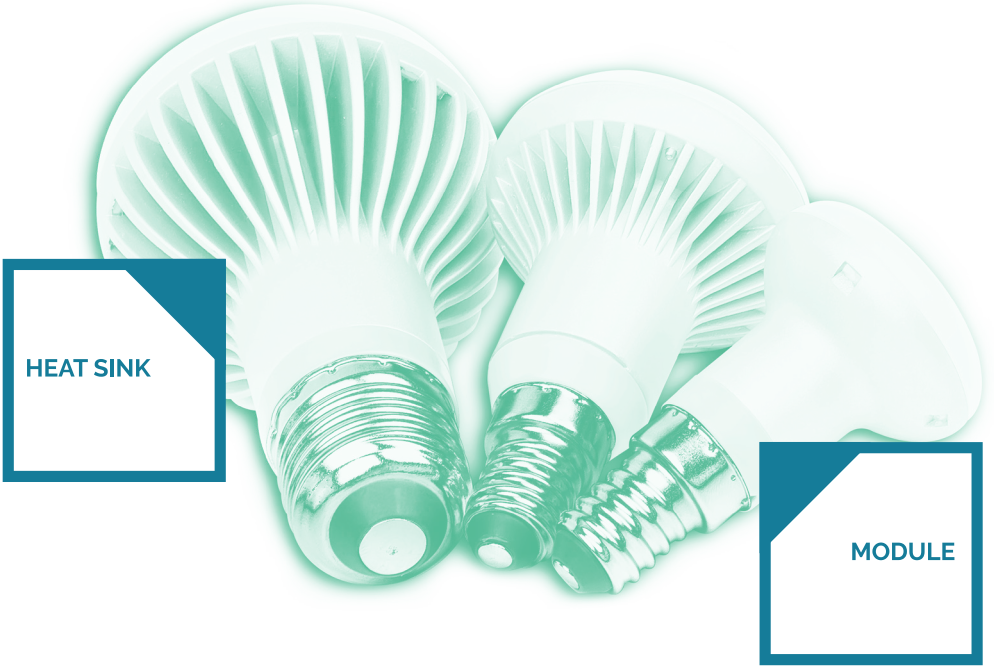
HEAT SINKS

PCBS

MOTHERBOARDS

LIGHTING

Heat generated from LED lights must be dissipated properly in order to ensure operation to full potential. Traditionally, aluminium heat sinks have been used, but more and more designers are opting to use thermally conductive plastics.



To find out what **KONDUCT** can do for you, please contact us via the links below:

KONDUCT

Unit 10 Rassau Ind Est,
Ebbw Vale,
Gwent,
NP23 5SD
United Kingdom

www.konduct.com
info@konduct.com
+44 (0) 1495 211400

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