

COOLPOLY® THERMALLY CONDUCTIVE PLASTICS

FOR HEAT SINKS & THERMAL MANAGEMENT SOLUTIONS

CoolPoly thermally conductive injection molding grade thermoplastics are ideal for manufacturing heat sinks and thermal management solutions that are lightweight, low cost and have a great deal of design freedom. In electronics, the 3-dimensional net shape molding of thermally conductive plastics allows both optimal heat transfer and the best utilization of the space available.

In typical electronic power and air flow environments, CoolPoly thermally conductive plastics provide equivalent heat transfer to aluminum parts.

Heat sinks and thermal management solutions molded from thermally conductive plastics provide:

- EQUIVALENT HEAT DISSIPATION TO ALUMINUM
- LIGHTWEIGHT—50% LESS THAN ALUMINUM
- 3-DIMENSIONAL COMPLEXITY
- NO ANTENNA EFFECT
- SIMPLIFIED ATTACHMENT
- LOW COST

CoolPoly E5101 and E3603 thermally conductive plastics are used to mold heat sinks and thermal management solutions in electronics, appliance, medical and automotive industries.

