

COOLPOLY® THERMALLY CONDUCTIVE PLASTICS

FOR ENCLOSURES

CoolPoly thermally conductive injection molding grade thermoplastics are ideal for manufacturing 3-dimensional, net-shape enclosures that help manage heat. Conventional plastic enclosures trap heat and raise internal temperatures, whereas thermally conductive plastic enclosures are designed to maximize heat removal and lower internal temperatures. Features and aesthetic characteristics, that cannot be cost effectively offered in metal stampings or castings, are easily incorporated in thermally conductive plastic designs.



Enclosures molded from thermally conductive plastics can provide:

- LOW THERMAL RESISTANCE
- LOW COST
- 3-DIMENSIONAL COMPLEXITY
- DESIGN FLEXIBILITY
- EMI/RFI SHIELDING
- FEATURE INTEGRATION
- PART CONSOLIDATION

CoolPoly E3603 thermally conductive plastic enclosures have been commercially proven to reduce cost by as much as 50% compared to die cast aluminum housings while providing equivalent heat transfer.