

# COOLPOLY® THERMALLY CONDUCTIVE PLASTICS

## FOR HEATERS & HEATING ELEMENTS

CoolPoly thermally conductive injection molding grade thermoplastics are well suited for encapsulation of heating elements and heater assembly components. Encapsulation with conventional plastic provides environmental resistance but insulates the heat resulting in wasted energy, higher operating temperatures, and shorter lifetime. Thermally conductive plastics efficiently transfer the thermal energy while maintaining electrical isolation and environmental resistance.



Heaters and heating elements manufactured with thermally conductive plastics provide:

- ENHANCED HEAT TRANSFER
- ELECTRICAL ISOLATION
- ENVIRONMENTAL RESISTANCE
- EXTENDED LIFE
- LOWER OPERATING TEMPERATURE
- DIRECT ENCAPSULATION
- MECHANICAL AND ATTACHMENT FEATURES

CoolPoly D5108 and D5112 thermally conductive plastics are used to encapsulate or fabricate heater components used in consumer, medical, recreation, food and industrial heating applications.