

A large number of small, dark, cylindrical pellets scattered across the top of the page.

COOLPOLY® THERMALLY CONDUCTIVE PLASTICS

FOR ELECTROSTATIC DISSIPATION (ESD)

Electrostatic dissipative (ESD) injection molding plastics are available from Cool Polymers. Electrostatic dissipation or discharge is critical in many electronic and industrial applications. CoolPoly ESD plastics prevent unwanted charge build-up on the surface of molded parts that could otherwise transfer to sensitive components. The uncontrolled static discharge can harm or destroy sensitive components. The controlled surface and bulk resistivity of CoolPoly ESD plastics allows the proper rate of charge dissipation in electronic and hazardous material applications.



Parts molded from CoolPoly thermally conductive ESD plastic provide:

- ELECTROSTATIC DISCHARGE
- CONTROLLED VOLUME AND SURFACE RESISTIVITY
- FLAME RETARDANCY
- THERMAL CONDUCTIVITY
- REDUCED RESIDUAL STRESSES
- THICK CROSS SECTIONS
- FAST CYCLE TIMES
- LOW COST

CoolPoly ESD plastics also have enhanced thermal conductivity. The improved heat transfer reduces molded in stresses and allows thick sections to be injection molded.

CoolPoly E5107 is used to injection mold parts requiring electrostatic dissipation (ESD) in electronic, hazardous material, and other applications.