

COOLPOLY® THERMALLY CONDUCTIVE PLASTICS

FOR TOOLING & MOLDS

CoolPoly thermally conductive injection molding grade thermoplastics are well suited for molding 3-dimensional net shape plastic molds used in the manufacture of other products. This concept is sometimes referred to as "mold the mold". Injection moldable molds are required in industries that; produce extremely high piece part quantities (e.g. food), require long cycle times inside the mold (e.g. candles), and require disposable tooling (e.g. medical). Conventional plastics can be fabricated into mold shapes, however, they do not transfer the heat required to cool the molded material.



Molds and tooling manufactured from thermally conductive plastics provide:

- LOW COST, HIGH QUANTITY MOLDS
- HEAT TRANSFER
- FOOD CONTACT APPROVAL
- 3-DIMENSIONAL COMPLEXITY
- LIGHTWEIGHT

CoolPoly E1201 and D1202 thermally conductive plastics are used to injection mold parts that serve as tooling or molds to manufacture products in the food, health, consumer, industrial and medical industries.