



CoolPoly® E1201 Thermally Conductive Polypropylene (PP)

CoolPoly E1201 is a thermally conductive injection molding resin based on a polypropylene matrix. CoolPoly E1201 is electrically conductive. Thermally conductive polymers like CoolPoly E1201 cool faster than standard injection molding grade resins.

Typical Injection Molding Conditions

Temperature Settings	SI /Metric	English
Rear Zone	190 - 220 °C	380 - 430 °F
Center Zone	210 - 230 °C	410 - 450 °F
Front Zone	215 - 245 °C	420 - 475 °F
Melt	215 - 245 °C	420 - 475 °F
Mold	20 - 65 °C	70 - 150 °F

Pressure Settings

Injection	35 - 105 MPa	5000 - 15000 psi
Hold	20 - 55 MPa	3000 - 8000 psi
Back	0 - 0.35 MPa	0 - 50 psi

Injection Settings

Fill	moderate - fast	moderate - fast
Screw	20 - 60 rpm	20 - 60 rpm

Drying Conditions

Time & Temperature	1-2hrs@ 80 °C	1-2hrs@ 180 °F
Dew Point	-20 °C	0 °F

Additional Information

A low compression screw (less than 2:1) is recommended

The information contained herein is provide for preliminary evaluation of the product. Due to the nature of differences in machine and tooling design, adjustments to the processing conditions are expected to be necessary to achieve optimal results. CoolPolymers extends no warranties, makes no representations and assumes no responsibility as to the accuracy or suitability of this information or this product for any purchaser's or user's use or for any consequence of its use. Cool Polymers disclaims any warranty of merchantability or warranty of fitness for any particular use. All statements, technical information and responsibility. Users shall determine the suitability of the products for their own intended application.