**ATX-574**

PROCESS/START-UP RECOMMENDATIONS

### Filled Polypropylene

#### Barrel Temperatures

<table>
<thead>
<tr>
<th>Barrel Zone</th>
<th>C4</th>
<th>C3</th>
<th>C2</th>
<th>C1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nozzle</td>
<td>374º F / 190º C</td>
<td>374º F / 190º C</td>
<td>356º F / 180º C</td>
<td>356º F / 180º C</td>
</tr>
</tbody>
</table>

For harder to fill parts temperatures may have to be increased. Keep lower temperatures in the rear zones to allow venting through the hopper.

#### Melt Temperature

Maximum temperature with a hand pyrometer should be 374º F to 410º F (190º C to 210º C).

#### Mold Temperature

Typically 104º F to 122º F (40º C to 50º C).

#### Injection Pressure

The preferred range is 50 to 60% of machine capacity. Pressure should be sufficient to fill the mold without hesitation or flashing.

#### Holding Pressure

Setting should be lower than boost pressure with a minimum amount of time to prevent over-packing of the part.

#### Injection Speed

Slow to medium speed to prevent excessive shear on the material.

#### Cushion

Maintain at 10-20mm to provide enough material for consistent parts.

#### Decompression

Use only when necessary to prevent nozzle drool.

#### Screw RPM

Screw should stop 1 to 2 seconds before mold open. A lower RPM is preferred for mixing and uniform melt temperature.

#### Drying

Material should be dried for a minimum of 2 hours and a maximum of 4 hours at 212º F (100º C).

*Disclaimer: The user assumes all risk and liability concerning the use of these recommendations.*