**TSOP-AT5W**

**PROCESS/START-UP RECOMMENDATIONS**

### Filled Polypropylene

#### Barrel Temperatures

<table>
<thead>
<tr>
<th>Nozzle</th>
<th>C4</th>
<th>C3</th>
<th>C2</th>
<th>C1</th>
</tr>
</thead>
<tbody>
<tr>
<td>374° F / 190° C</td>
<td>374° F / 190° C</td>
<td>356° F / 180° C</td>
<td>356° F / 180° C</td>
<td>338° F / 170° C</td>
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</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 374° F to 410° F (190° C to 210° C).

#### Mold Temperature

Typically 104° F to 122° F (40° C to 50° 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 212° F (100° C).

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