HLT-49
START-UP RECOMMENDATIONS

High Modulus Filled Polypropylene

<table>
<thead>
<tr>
<th>Barrel Temperatures</th>
<th>Nozzle</th>
<th>C4</th>
<th>C3</th>
<th>C2</th>
<th>C1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>420º F / 215º C</td>
<td>430º F / 220º C</td>
<td>410º F / 210º C</td>
<td>390º F / 200º C</td>
<td>375º F / 190º C</td>
</tr>
</tbody>
</table>

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

Melt Temperature
Maximum temperature with a hand pyrometer should be 380º F to 440º F (193º C to 227º C).

Mold Temperature
Typically 80º to 100º F (27º C to 38º 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.