

CHI-500

START-UP RECOMMENDATIONS

High Impact TPO

Barrel Temperatures

Nozzle	C4	C3	C2	C1
400° F / 200° C	420° F / 210° C	390° F / 200° C	355° F / 180° C	340° F / 170° C

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 365° F to 440° F (185° C to 227° C).

Mold Temperature

Typically 80° F to 110° F (27° C to 43° C).

Injection Pressure

The preferred range is 20 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 5-10mm 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 180° F (82° C).

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