

# EH-100K1

## START-UP RECOMMENDATIONS

### Polypropylene for Interior Parts

#### 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 hard 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 226° C)

#### **Mold Temperature**

Typically 80° 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.