

EBSA

START-UP RECOMMENDATIONS

Blow Molding Polypropylene

Barrel Temperatures

Nozzle	C4	C3	C2	C1
420° F / 215° C	440° F / 225° C	430° F / 220° C	400° F / 205° C	390° F / 200° C

Keep lower temperatures in the rear zones to allow venting through hopper.

Melt Temperature

Maximum temperature with a hand pyrometer should be 440° F to 530° F. (226° C to 276° 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.

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