

Processing Guidelines

TPO 3910R3- (Any Color)

450 Racetrack Road, P.O. Box 236
Washington, Pennsylvania, 15301
(724) 228 - 1260
washingtonpennplastic.com

Pressures

Injection	41 - 96	Bar
Holding	10 - 62	Bar
Back	5 - 10	Bar

Injection Speed 2.5 – 6.4 cm/s

Temperatures

•	Barrel Zone 1	205-221 °C
•	Barrel Zone 2	205-221 °C
•	Barrel Zone 3	210-226 °C
•	Barrel Zone 4	215-232 °C
•	Nozzle	215-237 °C
•	Hot Runner	215-237 °C
•	Mold	16-60 °C
•	Hydraulic Oil Temperature	43-52 °C

Material Drying is typically not required but for some thin walled parts drying may be required. If needed dry at 160 - 190°F for 1-2 hours.

Machine/Shot Information

Shot Capacity vs. Barrel Capacity	2.5 to 4.0
-----------------------------------	------------

Cushion 0.30 to 0.64 cm Screw Decompression 0.2 to 0.64 cm

Clamp Tonnage should be 2.5 to 4.0 Tons per square inch of projected part area.

If you have any questions or require further processing information, please e-mail the Technical Service Group @ TechService@washpenn.com

These process conditions are typical processing parameters for injection molding. Use of these operating conditions, however, does not guarantee desired performance for all applications because of potential variability in a variety of factors including, but not limited to, gating, molding equipment, injection mold screw design, dispersion equipment, tooling, tool steel type, cooling capability, and part geometry. Washington Penn Plastic Co., Inc. makes no representations or warranties concerning product performance in any application.