



Processing Guidelines

PRC50GF3 - (Any Color)

Pressures

Injection	600 - 1600 psi	41-110 Bar
Holding	150 - 900 psi	10-62 Bar
Back	050 - 100 psi	3 - 7 Bar

Injection Speed

1.0 - 2.5 in/s	25-63 mm/s
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Temperatures

• Barrel Zone 1	390-420 °F	199-216°C
• Barrel Zone 2	400-420 °F	204-216°C
• Barrel Zone 3	410-450 °F	210-232°C
• Barrel Zone 4	410-450 °F	210-232°C
• Nozzle	410-450 °F	210-232°C
• Hot Runner	410-450 °F	210-232°C
• Mold	60-160 °F	16-71°C
• Hydraulic Oil Temperature	110-125 °F	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 (71-88° C) for 1-2 hours.

Machine/Shot Information

Shot Capacity vs. Barrel Capacity	2.5 to 4.0	
Cushion	1/8" to 1/4"	3.0-6.0 mm
Screw Decompression	0.10" to 0.25"	2.5 to 6.3 mm
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 at wp.techservices@audia.com