



# Processing Conditions

## PC/ABS Alloy (PC/ABS) — RTP 2500 Series EMI Shielding Compounds

### Typical Injection Molding Conditions

	English	SI Metric
<b>Temperatures</b>		
Rear zone	490 - 510 °F	254 - 266 °C
Center zone	470 - 490 °F	243 - 254 °C
Front zone	450 - 470 °F	232 - 243 °C
Melt	470 - 525 °F	243 - 274 °C
Mold	125 - 200 °F	52 - 93 °C

<b>Pressures</b>		
Injection	10000 - 15000 psi	69 - 103 MPa
Hold	5000 - 10000 psi	34 - 69 MPa
Back	50 - 100 psi	0.34 - 0.69 MPa

<b>Speeds</b>		
Fill	1 - 2 in/sec	25 - 51 mm/sec
Screw	30 - 60 rpm	30 - 60 rpm

<b>Drying</b>		
Time & Temperature	4 Hrs @ 200 °F	4 Hrs @ 93 °C
Dew Point	-20 °F	-29 °C
Moisture Content	0.02 %	0.02 %

### Notes

- Remove hopper magnets
- Uses a reverse barrel profile
- Allow 4 to 5 shots to properly disperse the conductive fibers. The surface finish should have slight silver streaks (not clumps), indicating proper fiber dispersion.
- This information is intended to be used only as a guideline for designers and processors of modified thermoplastics for injection molding. Because injection mold design and processing is complex, a set solution will not solve all problems. Observation on a "trial and error" basis may be required to achieve desired results.
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