

## Star Plastics PC/PET7901 Molding Grade PC/PET

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/PET Polyester Blend , Polyester, TP , Polyethylene Terephthalate (PET)

**Material Notes:**

Information provided by Star Plastics, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Star-Plastics-PCPET7901-Molding-Grade-PCPET.php](http://www.lookpolymers.com/polymer_Star-Plastics-PCPET7901-Molding-Grade-PCPET.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Maximum Moisture Content	0.020	0.020	
Linear Mold Shrinkage	0.0060 - 0.0090 cm/cm	0.0060 - 0.0090 in/in	ASTM D955
Melt Flow	35 g/10 min @Load 5.00 kg, Temperature 260 Â°C	35 g/10 min @Load 11.0 lb, Temperature 500 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	57.2 MPa	8300 psi	ASTM D638
Tensile Modulus	2.17 GPa	315 ksi	ASTM D638
Flexural Yield Strength	86.2 MPa	12500 psi	ASTM D790
Flexural Modulus	2.34 GPa	340 ksi	ASTM D790
Izod Impact, Notched	5.87 J/cm	11.0 ft-lb/in	73Â°F, 0.125 in.; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	127 Â°C	260 Â°F	unannealed, .250in; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	118 Â°C	245 Â°F	unannealed, .125in; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	243 - 271 Â°C	470 - 520 Â°F	
Middle Barrel Temperature	249 - 277 Â°C	480 - 530 Â°F	
Front Barrel Temperature	257 - 282 Â°C	495 - 540 Â°F	
Nozzle Temperature	254 - 274 Â°C	490 - 525 Â°F	
Melt Temperature	260 - 279 Â°C	500 - 535 Â°F	

Processing Properties	Metric	English	Comments
Drying Temperature	121 Â°C	250 Â°F	
Dry Time	4 hour	4 hour	
Back Pressure	0.345 - 0.689 MPa	50.0 - 100 psi	
Screw Speed	40 - 75 rpm	40 - 75 rpm	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China