

## Oxford Polymers PC C20-000 Clear PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

### Material Notes:

Product Description: Amorphous, Unreinforced Polycarbonate injection molding grade Processing and Delivery Form: Pellets and Injection

MoldingAdditives: Pigment onlySpecial Characteristics: Easy flow, ice clearInformation provided by Oxford Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Oxford-Polymers-PC-C20-000-Clear-PC.php](http://www.lookpolymers.com/polymer_Oxford-Polymers-PC-C20-000-Clear-PC.php)

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in <sup>3</sup>	ASTM D792
Water Absorption at Saturation	0.350 %	0.350 %	ASTM D570
Linear Mold Shrinkage, Flow	0.00500 - 0.00700 cm/cm @Thickness 3.17 mm	0.00500 - 0.00700 in/in @Thickness 0.125 in	ASTM D955
Melt Flow	18.0 - 24.0 g/10 min @Load 1.106 kg, Temperature 300 °C	18.0 - 24.0 g/10 min @Load 2.439 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	62.7 MPa	9100 psi	ASTM D638
Elongation at Break	7.00 %	7.00 %	ASTM D638
Flexural Strength	93.1 MPa	13500 psi	ASTM D790
Flexural Modulus	2.34 GPa	340 ksi	ASTM D790
Izod Impact, Notched	7.74 J/cm @Thickness 3.17 mm	14.5 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	132 °C	270 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	249 - 271 °C	480 - 520 °F	
Middle Barrel Temperature	260 - 271 °C	500 - 520 °F	
Front Barrel Temperature	271 - 288 °C	520 - 550 °F	

<b>Nozzle Temperature Processing Properties</b>	<b>266 - 282 °C Metric</b>	<b>510 - 540 °F English</b>	<b>Comments</b>
Melt Temperature	277 - 293 °C	530 - 560 °F	
Mold Temperature	71.1 - 93.3 °C	160 - 200 °F	
Drying Temperature	<= 121 °C	<= 250 °F	
Dry Time	3.00 - 4.00 hour	3.00 - 4.00 hour	

## 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