

Polymer Resources PC/TP-GP3 PC Polyester, High Impact, Superior Chemical Resistance (Unverified Data**)&l

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

Material Notes:

Process: Injection Molding Notes: All physical, mechanical and thermal testing conducted on 1/8-inch thick, un-pigmented, test samples.

Information provided by Polymer Resources Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polymer-Resources-PCTP-GP3-PC-Polyester-High-Impact-Superior-Chemical-Resistance-Unverified-Datal.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.013 - 0.018 cm/cm	0.013 - 0.018 in/in	ASTM D955
Melt Flow	5.0 - 15 g/10 min	5.0 - 15 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	46.2 MPa	6700 psi	ASTM D638
Tensile Strength, Yield	44.1 MPa	6400 psi	ASTM D638
Flexural Strength	66.2 MPa	9600 psi	ASTM D790
Flexural Modulus	1.79 GPa	260 ksi	ASTM D790
Izod Impact, Notched	8.01 J/cm	15.0 ft-lb/in	ASTM D256
Gardner Impact	>= 36.2 J	>= 26.7 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	116 °C	240 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	76.7 °C	170 °F	ASTM D648
Flammability, UL94	HB	HB	1/16 in
	HB	HB	1/8 in

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	227 - 243 °C	440 - 470 °F	
Middle Barrel Temperature	232 - 249 °C	450 - 480 °F	

Front Barrel Temperature Processing Properties	238 - 260 °C Metric	460 - 500 °F English	Comments
Melt Temperature	238 - 260 °C	460 - 500 °F	
Mold Temperature	48.9 - 82.2 °C	120 - 180 °F	
Drying Temperature	104 - 110 °C	220 - 230 °F	
Dry Time	4 - 6 hour	4 - 6 hour	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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