

## PTS PCA-30G11-(V) UV Stabilized, Glass Reinforced PC/PBT Alloy

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Glass Filled , Polyester, TP , Polybutylene Terephthalate (PBT)

### Material Notes:

Information provided by Polymer Technology and Services, LLC (PTS).

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PTS-PCA-30G11-V-UV-Stabilized-Glass-Reinforced-PCPBT-Alloy.php](http://www.lookpolymers.com/polymer_PTS-PCA-30G11-V-UV-Stabilized-Glass-Reinforced-PCPBT-Alloy.php)

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in <sup>3</sup>	ASTM D792
Melt Flow	11 g/10 min @Load 5.00 kg, Temperature 250 °C	11 g/10 min @Load 11.0 lb, Temperature 482 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.0 MPa @Thickness 3.17 mm	8990 psi @Thickness 0.125 in	ASTM D638
Elongation at Break	6.0 % @Thickness 3.17 mm	6.0 % @Thickness 0.125 in	ASTM D638
Flexural Yield Strength	96.0 MPa @Thickness 3.17 mm	13900 psi @Thickness 0.125 in	ASTM D790
Flexural Modulus	2.86 GPa @Thickness 3.17 mm	415 ksi @Thickness 0.125 in	ASTM D790
Izod Impact, Notched	2.13 J/cm @Thickness 3.17 mm	3.99 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	99.0 °C	210 °F	ASTM D648
UL RTI, Electrical	75.0 °C	167 °F	
UL RTI, Mechanical with Impact	75.0 °C	167 °F	
UL RTI, Mechanical without Impact	75.0 °C	167 °F	
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Thermal Properties	<sup>HB</sup> Metric	<sup>HB</sup> English	Comments
	@Thickness 3.00 mm	@Thickness 0.118 in	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	257 - 279 °C	495 - 535 °F	
Middle Barrel Temperature	246 - 279 °C	475 - 535 °F	
Front Barrel Temperature	246 - 279 °C	475 - 535 °F	
Nozzle Temperature	246 - 279 °C	475 - 535 °F	
Melt Temperature	246 - 279 °C	475 - 535 °F	
Mold Temperature	71.1 - 93.3 °C	160 - 200 °F	
Drying Temperature	87.8 - 98.9 °C	190 - 210 °F	12 hours maximum
	98.9 °C	210 °F	4 hours minimum
Dew Point	-40.0 °C	-40.0 °F	Preferred
	<= -20.0 °C	<= -4.00 °F	
Injection Pressure	110 - 138 MPa	16000 - 20000 psi	
Back Pressure	0.689 - 1.38 MPa	100 - 200 psi	
Shot Size	50 - 70 %	50 - 70 %	
Vent Depth	0.00203 - 0.00254 cm	0.000800 - 0.00100 in	
Screw Speed	40 - 70 rpm	40 - 70 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