

PTS PCA-30G11-(V)

Polycarbonate + PBT

Polymer Technology and Services, LLC

Message:

PTS PCA-30G11-(V) is a polycarbonate + polybutene terephthalate (PC + PBT) product, which contains a 11% glass fiber reinforced material. It can be processed by injection molding and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

Features include:

flame retardant/rated flame

Good UV resistance

UV stability

General Information			
UL YellowCard	E155285-223916		
Filler / Reinforcement	Glass fiber reinforced material, 11% filler by weight		
Additive	UV stabilizer		
Features	Good UV resistance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/5.0 kg)	11	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 3.17 mm)	62.0	MPa	ASTM D638
Tensile Elongation (Break, 3.17 mm)	6.0	%	ASTM D1708
Flexural Modulus (3.17 mm)	2860	MPa	ASTM D790
Flexural Strength (Yield, 3.17 mm)	96.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.17 mm)	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	99.0	°C	ASTM D648
RTI Elec	75.0	°C	UL 746
RTI Imp	75.0	°C	UL 746
RTI	75.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		UL 94
3.00 mm	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	87.8 - 98.9	°C	
Drying Time	4.0 - 12	hr	
Suggested Shot Size	50 - 70	%	

Rear Temperature	257 - 279	°C
Middle Temperature	246 - 279	°C
Front Temperature	246 - 279	°C
Nozzle Temperature	246 - 279	°C
Processing (Melt) Temp	246 - 279	°C
Mold Temperature	71.1 - 93.3	°C
Injection Pressure	110 - 138	MPa
Back Pressure	0.689 - 1.38	MPa
Screw Speed	40 - 70	rpm
Vent Depth	0.020 - 0.025	mm

Injection instructions

Dew Point, Preferred: -40.0 °C Dew point: <-20.0 °C

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