

DURANEX® H7500N

Polycarbonate + PBT
Polyplastics Co., Ltd.

Message:
Low warpage, HB, Standard, Unfilled, Standard

General Information			
Features	Low warpage		
Forms	Particle		
Processing Method	Injection molding		
Part Marking Code (ISO 11469)	>PBT+PC		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	56.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	65	%	ISO 527-2
Flexural Modulus	2160	MPa	ISO 178
Flexural Stress	83.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	50	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	112	°C	ISO 75-2/A
Linear thermal expansion coefficient			Internal method
Flow: 23 to 55°C	1.0E-4	cm/cm/°C	Internal method
Lateral: 23 to 55°C	1.0E-4	cm/cm/°C	Internal method
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	120 - 140	°C	
Drying Time	3.0 - 5.0	hr	
Processing (Melt) Temp	250 - 270	°C	
Mold Temperature	40.0 - 80.0	°C	
Holding Pressure	60.0 - 100	MPa	
Screw Speed	100 - 150	rpm	
Injection instructions			
Cooling Time: Plasticization time + alpha or time without sticking in mold			

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