

DURANEX® CRN7000GP

Polybutylene Terephthalate

Polyplastics Co., Ltd.

Message:

Flame Retardant, Low Gas Generation, Low Contact Contamination,UL Approved Regrind 50%, Unfilled, Standard

General Information			
UL YellowCard	E213445-229082	E213445-229076	
Additive	Flame retardancy		
Recycled Content	Yes, 50%		
Features	The degassing effect is low to no Flame retardancy		
UL File Number	E213445		
Forms	Particle		
Processing Method	Injection molding		
Part Marking Code (ISO 11469)	>PBT-FR(17)		
Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	64.0	MPa	ISO 527-2
Tensile Strain (Break)	7.0	%	ISO 527-2
Flexural Modulus	3230	MPa	ISO 178
Flexural Stress	102	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.2	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	90.0	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Additional Information	Nominal Value		
Color Number	EF2001/ED3002		
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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