

DURANEX® CN7000LN/LB

Polybutylene Terephthalate

Polyplastics Co., Ltd.

Message:

DURANEX®CN7000LN/LB is a polybutene terephthalate (PBT) product. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region.

Features include:

flame retardant/rated flame

Flame Retardant

high liquidity

General Information			
UL YellowCard	E213445-229047		
Additive	Flame retardancy		
Features	High liquidity		
	Flame retardancy		
UL File Number	E213445		
Forms	Particles, after reprocessing		
Processing Method	Injection molding		
Part Marking Code (ISO 11469)	>PBT FR(17)		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	0.20	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	80		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	54.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	11	%	ISO 527-2
Flexural Modulus	2310	MPa	ISO 178
Flexural Stress	81.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.3	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	64.0	°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
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	6.0E+15	ohms · cm	IEC 60093
Dielectric Strength (3.00 mm)	17	kV/mm	IEC 60243-1

Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

Injection	Nominal Value	Unit
Drying Temperature	120 - 140	°C
Drying Time	3.0 - 5.0	hr
Rear Temperature	250 - 270	°C
Middle Temperature	250 - 270	°C
Front Temperature	250 - 270	°C
Mold Temperature	40 - 80	°C
Holding Pressure	60.0 - 100	MPa
Screw Speed	100 - 150	rpm

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Recommended distributors for this material

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