

# DURANEX® CN7000LN/LB

## Polyplastics - Polybutylene Terephthalate

### General Information

#### Product Description

Flame Retardant, UL Approved Regrind 50% Inclusive

Unfilled, High Flow

#### General

Additive	• Flame Retardant		
Features	• Flame Retardant	• High Flow	• Regrind and Blending Performance
UL File Number	• E213445		
Forms	• Pellets, Reprocessed		
Processing Method	• Injection Molding		
Part Marking Code (ISO 11469)	• >PBT FR(17)<		

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm <sup>3</sup>	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	7830	psi	ISO 527-2
Nominal Tensile Strain at Break	11	%	ISO 527-2
Flexural Modulus	335000	psi	ISO 178
Flexural Stress	11700	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.6	ft·lb/in <sup>2</sup>	ISO 179/1eA
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	80		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	147	°F	ISO 75-2/A
CLTE - Flow (73 to 131°F)	5.6E-5	in/in/°F	Internal Method
CLTE - Transverse (73 to 131°F)	5.6E-5	in/in/°F	Internal Method
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	6.0E+15	ohms·cm	IEC 60093
Electric Strength (0.118 in)	430	V/mil	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94