

# DURANEX® CN5330N/B

## Polyplastics - Polybutylene Terephthalate + PET

### General Information

#### Product Description

Better Surface Appearance, Higher Gloss, Flame Retardant

GF30% Reinforced

#### General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant      • Good Surface Finish      • High Gloss
UL File Number	• E213445
Forms	• Pellets
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PBT+PET-GF30 FR(17)<

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

Physical	Nominal Value	Unit	Test Method
Density	1.65	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	20000	psi	ISO 527-2
Tensile Strain (Break)	1.8	%	ISO 527-2
Flexural Modulus	1.44E+6	psi	ISO 178
Flexural Stress	30700	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.8	ft·lb/in <sup>2</sup>	ISO 179/1eA
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	100		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	401	°F	ISO 75-2/A
CLTE - Flow (73 to 131°F)	1.1E-5	in/in/°F	Internal Method
CLTE - Transverse (73 to 131°F)	3.9E-5	in/in/°F	Internal Method
Electrical	Nominal Value	Unit	Test Method
Electric Strength (0.118 in)	530	V/mil	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94