

**DURANEX® CN5315N/B**

 Polyplastics - *Polybutylene Terephthalate + PET*
**General Information**
**Product Description**

Better Surface Appearance, Higher Gloss, Flame Retardant

GF15% Reinforced

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight		
Additive	• Flame Retardant		
Features	• Flame Retardant	• High Gloss	• Pleasing Surface Appearance
UL File Number	• E213445		
Forms	• Pellets		
Processing Method	• Injection Molding		
Part Marking Code (ISO 11469)	• >PBT+PET-GF15 FR(17)<		

**Properties <sup>1</sup>**

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density	1.50	g/cm <sup>3</sup>	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.20	%	ISO 62
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Stress	14900	psi	ISO 527-2
Tensile Strain (Break)	2.3	%	ISO 527-2
Flexural Modulus	1.00E+6	psi	ISO 178
Flexural Stress	24100	psi	ISO 178
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Charpy Notched Impact Strength (73°F)	2.3	ft·lb/in <sup>2</sup>	ISO 179/1eA
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (264 psi, Unannealed)	397	°F	ISO 75-2/A
CLTE - Flow (73 to 131°F)	2.2E-5	in/in/°F	Internal Method
CLTE - Transverse (73 to 131°F)	4.4E-5	in/in/°F	Internal Method
<b>Electrical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Electric Strength (0.118 in)	510	V/mil	IEC 60243-1
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating	V-0		UL 94

