

**DURANEX® GFR330**

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

Flame Retardant, New Standard, UL Approved Regrind 50% Inclusive

GF30% Reinforced

**General**

Material Status	• Commercial: Active
Availability	• Africa & Middle East      • Europe      • North America • Asia Pacific      • Latin America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant      • Regrind and Blending Performance
Automotive Specifications	• GM GMW16733P-PBT-GF30F Color: ED3002
UL File Number	• E213445
Forms	• Pellets
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PBT-GF30 FR(17)<

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

Physical	Nominal Value	Unit	Test Method
Density	1.71	g/cm <sup>3</sup>	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	18700	psi	ISO 527-2
Tensile Strain (Break)	1.9	%	ISO 527-2
Flexural Modulus	1.55E+6	psi	ISO 178
Flexural Stress	29300	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.4	ft-lb/in <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	408	°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)	460	V/mil	IEC 60243-1
Comparative Tracking Index	225	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Additional Information	Nominal Value	Unit	Test Method
Color Number	EF2001/ED3002		

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.
