

# RENATUS® BN3030SD

## Polyplastics - Polyethylene Terephthalate

### General Information

#### Product Description

Flame Retardant, Standard

GF Reinforced, Black Color

#### General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant
UL File Number	• E213445
Appearance	• Black
Forms	• Pellets
Part Marking Code (ISO 11469)	• >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	18300	psi	ISO 527-2
Tensile Strain (Break)	1.7	%	ISO 527-2
Flexural Modulus	1.33E+6	psi	ISO 178
Flexural Stress	31200	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.5	ft·lb/in <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	442	°F	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	7.0E+16	ohms·cm	IEC 60093
Electric Strength (0.118 in)	460	V/mil	IEC 60243-1
Comparative Tracking Index	200	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94