

**DURANEX® 552HS**

 Polyplastics - *Polybutylene Terephthalate*

## General Information

**Product Description**

Flame Retardant, Hydrolysis Resistant, Heat Shock Resistant

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 • Hydrolysis Resistant • Thermal Shock Resistant
UL File Number	• E213445
Forms	• Pellets
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PBT-I-GF30FR(17)<

 Properties <sup>1</sup>

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density	1.59	g/cm <sup>3</sup>	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.20	%	ISO 62
<b>Mechanical</b>			
Tensile Stress	13300	psi	ISO 527-2
Tensile Strain (Break)	1.9	%	ISO 527-2
Flexural Modulus	1.17E+6	psi	ISO 178
Flexural Stress	19100	psi	ISO 178
<b>Impact</b>			
Charpy Notched Impact Strength (73°F)	3.7	ft·lb/in <sup>2</sup>	ISO 179/1eA
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	394	°F	ISO 75-2/A
<b>Flammability</b>			
Flame Rating	V-0		UL 94
<b>Additional Information</b>			
Color Number	EF2001/ED3002		

## Notes

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