

DURANEX® 552HS

Polyplastics - Polybutylene Terephthalate

General Information

Product Description

Flame Retardant, Hydrolysis Resistant, Heat Shock Resistant

GF30% Reinforced

General

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 ¹

Physical	Nominal Value	Unit	Test Method
Density	1.59	g/cm ³	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
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
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.7	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	394	°F	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Additional Information	Nominal Value	Unit	
Color Number	EF2001/ED3002		