

DURANEX® GHB336

Polyplastics - Polybutylene Terephthalate + PET

General Information

Product Description

rG-PBT, Sustainable Material

PCR30%, GF30% Reinforced, Better Surface Appearance, Higher Gloss, HB

General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Recycled Content	• Post-Consumer (PCR), 30%
Features	• Environmentally Sound/Sustainable • High Gloss • Pleasing Surface Appearance
Forms	• Pellets
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PBT+PET-GF30<

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.57	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	20300	psi	ISO 527-2
Tensile Strain (Break)	2.3	%	ISO 527-2
Flexural Modulus	1.39E+6	psi	ISO 178
Flexural Stress	29200	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.8	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	405	°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
Volume Resistivity	8.0E+16	ohms·cm	IEC 60093
Electric Strength (0.118 in)	430	V/mil	IEC 60243-1
Comparative Tracking Index	225	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		Internal Method
Additional Information	Nominal Value	Unit	
Color Number	ED3002RG		