

DURANEX® CG7030N/B

Polyplastics - Polybutylene Terephthalate

General Information

Product Description

Hydrolysis Resistant, Heat Shock Resistant

GF30% Reinforced, Higher Comparative Tracking Index

General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Good Heat Resistance • Hydrolysis Resistant
UL File Number	• E213445
Forms	• Pellets
Part Marking Code (ISO 11469)	• >PBT-I-GF30<

Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.48	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	17700	psi	ISO 527-2
Tensile Strain (Break)	2.7	%	ISO 527-2
Flexural Modulus	1.17E+6	psi	ISO 178
Flexural Stress	27000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	6.4	ft·lb/in ²	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)	5.0E-5	in/in/°F	Internal Method
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94