

DURANEX® CTN7133B

 Polyplastics - *Polybutylene Terephthalate*

General Information

Product Description

Flame Retardant, Higher Comparative Tracking Index

GF Reinforced, Standard, CTI/PLC:0

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber/Mineral, 33% Filler by Weight
Additive	• Flame Retardant • PTFE Lubricant
Features	• Flame Retardant • High CTI • Lubricated
UL File Number	• E213445
Forms	• Pellets
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PBT+PTFE-(MD+GF)33FR(17)<

 Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.70	g/cm ³	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	11200	psi	ISO 527-2
Tensile Strain (Break)	1.6	%	ISO 527-2
Flexural Modulus	1.21E+6	psi	ISO 178
Flexural Stress	17400	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.8	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	401	°F	ISO 75-2/A
CLTE - Flow (73 to 131°F)	1.7E-5	in/in/°F	Internal Method
CLTE - Transverse (73 to 131°F)	3.3E-5	in/in/°F	Internal Method
Electrical	Nominal Value	Unit	Test Method
Electric Strength (0.118 in)	560	V/mil	IEC 60243-1
Comparative Tracking Index (CTI)	PLC 0		UL 746A
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

Notes

¹ Typical properties: these are not to be construed as specifications.
