

DURANEX® 310NFP

 Polyplastics - *Polybutylene Terephthalate*

General Information

Product Description

PFAS Free, Halogen-free, Higher Comparative Tracking Index

GF10% Reinforced

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Features	• Halogen Free • High CTI • PFAS Free
UL File Number	• E213445
Forms	• Pellets
Part Marking Code (ISO 11469)	• >PBT-GF10FR(40+30)<

 Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density	1.40	g/cm ³	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.20	%	ISO 62
Mechanical			
Tensile Stress	9860	psi	ISO 527-2
Tensile Strain (Break)	3.5	%	ISO 527-2
Flexural Modulus	725000	psi	ISO 178
Flexural Stress	16700	psi	ISO 178
Impact			
Charpy Notched Impact Strength (73°F)	1.9	ft·lb/in ²	ISO 179/1eA
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	392	°F	ISO 75-2/A
Electrical			
Volume Resistivity	3.0E+16	ohms·cm	IEC 60093
Electric Strength (0.118 in)	480	V/mil	IEC 60243-1
Comparative Tracking Index	475	V	IEC 60112
Flammability			
Flame Rating	V-0		UL 94
Additional Information			
Color Number	EF2001/ED3002		

Notes

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