

DURANEX® 315NFK

Polyplastics - Polybutylene Terephthalate

General Information

Product Description

Halogen-free, Higher Comparative Tracking Index

GF15% reinforced. CTI/PLC:0

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Features	• Halogen Free
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm ³	ISO 1183
Water Absorption (24 hr, 73°F)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	11600	psi	ISO 527-2
Tensile Strain (Break)	2.8	%	ISO 527-2
Flexural Modulus	928000	psi	ISO 178
Flexural Stress	18900	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.4	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
Electrical	Nominal Value	Unit	Test Method
Electric Strength (0.118 in)	480	V/mil	IEC 60243-1
Arc Resistance	99.0	sec	ASTM D495
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
Glow Wire Flammability Index	1760	°F	IEC 60695-2-12
Additional Information	Nominal Value	Unit	Test Method
Color Number	EF2001/ED3002		

Notes

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

