

DURANEX® 522HR

 Polyplastics - *Polybutylene Terephthalate*

General Information

Product Description

Hydrolysis Resistant

GF20% Reinforced, Higher Comparative Tracking Index

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Features	• Hydrolysis Resistant
UL File Number	• E213445
Forms	• Pellets
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PBT-I-GF20<

 Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density	1.39	g/cm ³	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.20	%	ISO 62
Mechanical			
Tensile Stress	14200	psi	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	754000	psi	ISO 178
Flexural Stress	21000	psi	ISO 178
Impact			
Charpy Notched Impact Strength (73°F)	6.4	ft·lb/in ²	ISO 179/1eA
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	392	°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)	5.0E-5	in/in/°F	Internal Method
Electrical			
Comparative Tracking Index	600	V	IEC 60112
Flammability			
Flame Rating	HB		UL 94
Additional Information			
Color Number	EF2001/ED3005		

Notes

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