

# DURANEX® 7400W

## Polyplastics - Polybutylene Terephthalate

### General Information

#### Product Description

Low Warpage, HB, Standard

GF Reinforced, Super Low Warpage

#### General

Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight
Features	• Low Warpage
UL File Number	• E213445
Forms	• Pellets
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PBT-(GF+GS)40<

### Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.63	g/cm <sup>3</sup>	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	13600	psi	ISO 527-2
Tensile Strain (Break)	2.2	%	ISO 527-2
Flexural Modulus	1.38E+6	psi	ISO 178
Flexural Stress	21900	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.0	ft·lb/in <sup>2</sup>	ISO 179/1eA
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	95		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
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)	3.3E-5	in/in/°F	Internal Method
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.0E+15	ohms·cm	IEC 60093
Electric Strength (0.118 in)	710	V/mil	IEC 60243-1
Comparative Tracking Index	325	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value	Unit	
Color Number	EF2001/ED3002		