

DURANEX® CN7740XB

Polyplastics - Polybutylene Terephthalate + PET

General Information

Product Description

Low Warpage, Flame Retardant, Standard

GF Reinforced, Super Low Warpage, Black Color

General

Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant • Low Warpage
UL File Number	• E213445
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PBT+PET-(GF+PS)40FR(17)<

Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.76	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	14600	psi	ISO 527-2
Tensile Strain (Break)	1.1	%	ISO 527-2
Flexural Modulus	2.02E+6	psi	ISO 178
Flexural Stress	22800	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.2	ft-lb/in ²	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	394	°F	ISO 75-2/A
CLTE - Flow (73 to 131°F)	1.1E-5	in/in/°F	Internal Method
CLTE - Transverse (73 to 131°F)	2.8E-5	in/in/°F	Internal Method
Electrical	Nominal Value	Unit	Test Method
Electric Strength (0.118 in)	430	V/mil	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94