

DURANEX® 7195W

 Polyplastics - *Polybutylene Terephthalate*
General Information
Product Description

Low Warpage, Flame Retardant, Standard

GF Reinforced, Super Low Warpage, Black Color

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 15% 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-(GF+GS)15 FR(17)<

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.56	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	12500	psi	ISO 527-2
Tensile Strain (Break)	2.8	%	ISO 527-2
Flexural Modulus	889000	psi	ISO 178
Flexural Stress	18600	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.9	ft-lb/in ²	ISO 179/1eA
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	85		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	401	°F	ISO 75-2/A
CLTE - Flow (73 to 131°F)	2.8E-5	in/in/°F	Internal Method
CLTE - Transverse (73 to 131°F)	3.9E-5	in/in/°F	Internal Method
Electrical	Nominal Value	Unit	Test Method
Electric Strength (0.118 in)	610	V/mil	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Additional Information	Nominal Value	Unit	Test Method
Color Number	EF2001/ED3002		

