

DURANEX® 407EP-1

 Polyplastics - *Polybutylene Terephthalate*
General Information
Product Description

Flame Retardant, Low Gas Generation

Unfilled, High Toughness

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Additive	• Flame Retardant
Features	• Flame Retardant • High Toughness • Low Emissions
UL File Number	• E213445
Forms	• Pellets
Part Marking Code (ISO 11469)	• >PBT FR(17)<

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	7980	psi	ISO 527-2
Tensile Strain (Break)	16	%	ISO 527-2
Flexural Modulus	334000	psi	ISO 178
Flexural Stress	12000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.5	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	169	°F	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Additional Information	Nominal Value	Unit	Test Method
Color Number	EF2001/ED3002		

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