

DURANEX® 500FP

Polyplastics - Polybutylene Terephthalate

General Information

Product Description

Film, Extrusion Molding

Standard

General

Uses	• Film
UL File Number	• E213445
Forms	• Pellets
Processing Method	• Extrusion
Part Marking Code (ISO 11469)	• >PBT<

Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm ³	ISO 1183
Intrinsic Viscosity	0.88	dl/g	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	8410	psi	ISO 527-2
Nominal Tensile Strain at Break	80	%	ISO 527-2
Flexural Modulus	354000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.3	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	151	°F	ISO 75-2/A
Glass Transition Temperature	95.0	°F	
Melting Temperature	435	°F	
Peak Crystallization Temperature	343	°F	
delta H	49.0	J/g	
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value	Unit	
Color Number	EF201R		