

DURANEX® 363RA

 Polyplastics - *Polybutylene Terephthalate*

General Information

Product Description

Resin Adhesion Improved For Multiple Injection Molding

GF15% Reinforced

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 • Good Adhesion
UL File Number	• E213445
Forms	• Pellets
Processing Method	• Multi Injection Molding
Part Marking Code (ISO 11469)	• >PBT-GF15FR(17)<

 Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density	1.56	g/cm ³	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.20	%	ISO 62
Mechanical			
Tensile Stress	15500	psi	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	827000	psi	ISO 178
Flexural Stress	22800	psi	ISO 178
Impact			
Charpy Notched Impact Strength (73°F)	3.1	ft-lb/in ²	ISO 179/1eA
Hardness			
Rockwell Hardness (M-Scale)	90		ISO 2039-2
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	385	°F	ISO 75-2/A
CLTE - Flow (73 to 131°F)	2.2E-5	in/in/°F	Internal Method
CLTE - Transverse (73 to 131°F)	4.4E-5	in/in/°F	Internal Method
Electrical			
Electric Strength (0.118 in)	510	V/mil	IEC 60243-1
Flammability			
Flame Rating	V-0		UL 94
Additional Information			
Color Number	EF2001/ED3002		

Notes

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