

DURANEX® 531AR

Polyplastics - Polybutylene Terephthalate

General Information

Product Description

Alkali Resistance Improved

GF30% reinforced

General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Alkali Resistant
Forms	• Pellets
Part Marking Code (ISO 11469)	• >PBT-I-GF30<

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.50	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	15800	psi	ISO 527-2
Tensile Strain (Break)	2.9	%	ISO 527-2
Flexural Modulus	1.20E+6	psi	ISO 178
Flexural Stress	25500	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	5.1	ft-lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	396	°F	ISO 75-2/A
Additional Information	Nominal Value	Unit	
Color Number	ED3002		