

DURANEX® 531AR

Polybutylene Terephthalate

Polyplastics Co., Ltd.

Message:

DURANEX®531AR is a polybutene terephthalate (PBT) product, which contains a 30% glass fiber reinforced material. It is available in North America, Europe or Asia Pacific.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	alkali resistance		
Forms	Particle		
Part Marking Code (ISO 11469)	>PBT-I-GF30		
Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	109	MPa	ISO 527-2
Tensile Strain (Break)	2.9	%	ISO 527-2
Flexural Modulus	8300	MPa	ISO 178
Flexural Stress	176	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	202	°C	ISO 75-2/A
Additional Information	Nominal Value		
Color Number	ED3002		
Injection	Nominal Value	Unit	
Drying Temperature	120 - 140	°C	
Drying Time	3.0 - 5.0	hr	
Rear Temperature	250 - 270	°C	
Middle Temperature	250 - 270	°C	
Front Temperature	250 - 270	°C	
Mold Temperature	40 - 80	°C	
Holding Pressure	60.0 - 100	MPa	
Screw Speed	100 - 150	rpm	

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Recommended distributors for this material

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