

BIOLLOY KG330

Polylactic Acid + ABS

Techno Polymer Co, Ltd.

Message:

BIOLLOY KG330 is a Polylactic Acid + ABS (PLA+ABS) product. It is available in Asia Pacific or North America.

Characteristics include:

Eco-Friendly/Green

Impact Resistant

Rigid

General Information			
Features	General Purpose		
	High Rigidity		
	Medium Impact Resistance		
	Renewable Resource Content		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	43	g/10 min	ISO 1133
Molding Shrinkage	0.50 to 0.70	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	49.0	MPa	ISO 527-2
Flexural Modulus	2950	MPa	ISO 178
Flexural Stress	87.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	17	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	63.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	58.0	°C	ISO 75-2/A
Injection	Nominal Value	Unit	
Drying Temperature	70.0	°C	
Rear Temperature	190 to 260	°C	
Middle Temperature	190 to 260	°C	
Front Temperature	190 to 260	°C	
Mold Temperature	40.0 to 80.0	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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