TERRAMAC TE-2000

Polylactic Acid

UNITIKA Plastics Division

Message:

TERRAMAC TE-2000 is a Polylactic Acid (PLA) material. It is available in Asia Pacific, Europe, or North America for injection molding. Primary attribute of TERRAMAC TE-2000: Eco-Friendly/Green.
Typical applications include:
Business/Office Goods
Consumer Goods
Containers
Electrical/Electronic Applications
Trays/Racks

General Information			
Features	Biodegradable		
	General Purpose		
	Renewable Resource Content		
Uses	Consumer Applications		
	Containers		
	Electrical/Electronic Applications		
	Stationary Supplies		
	Support Trays		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm³	ISO 1183
Molding Shrinkage	0.30 to 0.50	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	63.0	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	4300	MPa	ISO 178
Flexural Stress	106	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	1.6	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	58.0	°C	ISO 75-2/B
Melting Temperature	170	°C	
Injection	Nominal Value	Unit	
Rear Temperature	130 to 170	°C	

Middle Temperature	180 to 220	°C	
Front Temperature	180 to 220	°C	
Nozzle Temperature	180 to 220	°C	
Processing (Melt) Temp	< 240	°C	
Mold Temperature	10.0 to 30.0	°C	
Back Pressure	0.490 to 1.47	MPa	

Recommended distributors for this material

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WECHAT