TERRAMAC TE-1030

Polylactic Acid

UNITIKA Plastics Division

Message:

TERRAMAC TE-1030 is a Polylactic Acid (PLA) material. It is available in Asia Pacific, Europe, or North America for injection molding.
Important attributes of TERRAMAC TE-1030 are:
Eco-Friendly/Green
Impact Resistant
Typical applications include:
Business/Office Goods
Consumer Goods
Containers
Electrical/Electronic Applications
Trays/Racks

General Information			
Features	Biodegradable High Impact Resistance Renewable Resource Content		
Uses	Consumer Applications Containers Electrical/Electronic Applications Stationary Supplies Support Trays		
Appearance	Orange		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.24	g/cm^3	ISO 1183
Molding Shrinkage	0.30 to 0.50	%	ISO 294-4
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	51.0	MPa	ISO 527-2
Tensile Strain (Break)	170	%	ISO 527-2
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress	77.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	2.3	kJ/m^2	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	51.0	°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

Susheng Import & Export Trading Co.,Ltd.

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