

TERRAMAC TE-7307

Polylactic Acid
UNITIKA Plastics Division

Message:

TERRAMAC TE-7307 is a Polylactic Acid (PLA) material. It is available in Asia Pacific, Europe, or North America for injection molding.
Important attributes of TERRAMAC TE-7307 are:
Eco-Friendly/Green
Heat Resistant
Typical applications include:
Business/Office Goods
Consumer Goods
Containers
Electrical/Electronic Applications
Trays/Racks

General Information			
Features	Biodegradable		
	High Heat Resistance		
	Renewable Resource Content		
Uses	Consumer Applications		
	Containers		
	Electrical/Electronic Applications		
	Stationary Supplies		
	Support Trays		
Appearance	Opaque		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183
Molding Shrinkage	1.0 to 1.2	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	54.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	7500	MPa	ISO 178
Flexural Stress	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	2.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	120	°C	ISO 75-2/B
Melting Temperature	170	°C	

Injection	Nominal Value	Unit
Rear Temperature	150 to 170	°C
Middle Temperature	180 to 200	°C
Front Temperature	190 to 210	°C
Nozzle Temperature	190 to 210	°C
Processing (Melt) Temp	< 240	°C
Mold Temperature	100 to 110	°C
Back Pressure	0.490 to 1.47	MPa

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

