

Ecodear® Prototype - High Flow

Polylactic Acid

Toray Resin Company

Message:

Ecodear® Prototype - High Flow is a Polylactic Acid (PLA) product. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

Flame Rated

Eco-Friendly/Green

High Flow

General Information			
Features	High Flow		
	Renewable Resource Content		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.11	g/cm ³	
Melt Mass-Flow Rate (MFR)	55	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	50.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	10	%	ISO 527-2
Flexural Modulus (23°C)	2200	MPa	ISO 178
Flexural Stress (23°C)	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	79.0	°C	ISO 75-2/B
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
NOTE			
1.	Sink-float Method		

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