

Ecodear® V554R10

Polylactic Acid
Toray Resin Company

Message:

Ecodear® V554R10 is a Polylactic Acid (PLA) product. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

- Flame Rated
- Flame Retardant
- Eco-Friendly/Green
- Halogen Free

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
	Renewable Resource Content		

Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.27	g/cm ³	
Melt Mass-Flow Rate (MFR)	7.0	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.60	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	60.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	26	%	ISO 527-2
Flexural Modulus (23°C)	3600	MPa	ISO 178
Flexural Stress (23°C)	98.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	84.0	°C	ISO 75-2/B

Flammability	Nominal Value	Test Method
Flame Rating		UL 94
1.20 mm	V-1	
3.00 mm	V-0	

NOTE	
1.	Sink-float Method

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Recommended distributors for this material

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