

# EcoVid 30GBIM

Polylactic Acid  
Greener Polymers Inc.

Message:

EcoVid-30GBIM is a general purpose injection molding grade blend with a high molecular weight Ingeo PLA and bio-composite. The material could be frozen to -32C.

Composition: Ingeo PLA content with bio-degradable and compostable additives.

Applications: EcoVid-30GBIM composite may be used in a variety of applications involving injection moulding such as golf tees, disposable razors, disposable tooth brush, protective corners, coat hangers, tags, signage etc.

General Information			
Additive	Unspecified additive		
Features	High molecular weight		
	Updatable resources		
	Biodegradable		
Uses	Single-Use Applications		
	Sporting goods		
	General		
	Consumer goods application field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	22	g/10 min	ASTM D1238
210°C/2.16 kg	80	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 - 0.50	%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	130	°C	ASTM D1525
Melting Temperature	130 - 180	°C	ASTM D3418
Additional Information			
Vapour Barrier Transmission Rate (ASTM E380): 20.1636 (sd +/- 0.3537)Oxygen Permeability (ASTM E380): 53.481 (sd +/- 0.249)			
Injection	Nominal Value	Unit	
Hopper Temperature	145 - 155	°C	
Rear Temperature	145 - 165	°C	
Middle Temperature	165 - 195	°C	
Front Temperature	165 - 195	°C	
Nozzle Temperature	165 - 180	°C	
Back Pressure	1.03 - 2.76	MPa	
Screw Speed	85 - 185	rpm	

## Injection instructions

Mould Cycle Time: 19-35 secs

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## Recommended distributors for this material

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