

EcoVid 43IM

Polylactic Acid

Greener Polymers Inc.

Message:

EcoVid-43IM is an injection moulding ambient grade blend with a high molecular weight. The material is a PLA and bio-composite for use in general packaging relating to vegetables, fruit and horticultural applications. The material could be frozen to -32C.

Composition: PLA content with bio-degradable additives.

Applications: EcoVid-43IM composite may be used in a variety of applications involving injection moulding of Ambient food Trays and Punnets/Food containers, Flower pots, tree protectors, etc.

General Information			
Additive	Unspecified additive		
Features	High molecular weight		
	Updatable resources		
	Biodegradable		
Uses	Packaging		
	Non-specific food applications		
	Container		
	Food packaging		
	Food container		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	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	%	ASTM D955
Films	Nominal Value		Test Method
Oxygen Permeability	53		ASTM E380
Water Vapor Transmission	20.2		ASTM E380
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	130	°C	ASTM D1525
Melting Temperature	130 - 180	°C	ASTM D3418
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: 15-30 secs

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Recommended distributors for this material

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