



Greener Polymers Bio Composite Materials

PRODUCT DATA SHEET

Product Reference: **EcoVid - 30GBIM**

Description

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.

Applications

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.
For additional information and properties associated with particular applications please refer to Customer and Technical Services info@greenerpolymers.com.

Typical Properties

Physical	Nominal Values	Test Method(s)
Density	1.27 gr/cm ³	ASTM D792
Melt Flow Rate	(190°C/2.16kg) 22gr/10 min	ASTM D1238
Melt Flow Rate	(210°C/2.16kg) 80gr/10 min	ASTM D1238
Vapour Barrier Transmission rate	20.1636 (sd +/- 0.3537)	ASTM E380
Oxygen Permeability	53.481 (sd +/- 0.249)	ASTM E380

Thermal	Nominal Values	Test Method
Melting Point (DSC)	130-180°C	ASTM D3418
Vicat Softening Point	130°C	ASTM D1525

Processing Information - Injection Moulding

ZONE	Temperature Settings C°
Feed Throat	145 - 155°C
Feed Section	145 - 165°C
Compression Section	165 - 195°C
Metering Section	165 - 195°C
Die	165 - 180°C
Screw Speed	85 -185 rpm
Back pressure	150 – 400 psi
Mould Shrinkage	0.004in/in ± 0.001
Mould Cycle Time	19-35 secs

Safety and Handling A Product Safety Bulletin/Material Data Safety Sheet is available from your Greener Polymers representative.

Please refer to Material Safety Data Sheet before using this product.

Customer Service: **Greener Polymers Inc. USA**, Email: info@greenerpolymers.com
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Temperatures are provided as a guideline and may need to be adjusted according to specific equipment and loading percentages.

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