

IMGWB001

Injection Molding Grade

Product Description

Greenworksbio IMGWB001 is a compostable resin engineered for injection-molded applications such as cutlery, coffee stirrers, and etc. Designed for high-heat performance and dimensional stability, IMGWB001 offers excellent mechanical strength and durability.

Properties

Sl. No.	Properties	Method	Specification	Unit
1	Density	ASTM D792	1.2 - 1.4	Gm/cc
2	Melt Flow Rate(190 °C/2.16kg)	ASTM D1238	6-9	Gm/10min
3	Melt Temperature	ASTM D3418	180	°C
4	Izod Impact (Notched)	ASTM D256	12	Kg.cm/cm
5	Tensile Strength	ASTM D638	35	MPa
6	Tensile Strain at Break	ISO 527	150	%
7	Tensile Stress at Break	ISO 527	30 - 35	MPa
8	Heat Deflection Temp (0.455MPa Load)	ASTM D648	75	°C

Note : The property values are calculated under standard temperature and humidity conditions. These values should be considered as guidelines only, and may vary based on processing conditions.

Storage and Handling

- To ensure optimal performance and product life, store it in a cool, dry place, out of direct sunlight.
- Please refer to the Safety Data Sheet (SDS) and the Processing Guide for specific handling and processing instructions.

