

Technical Data Sheet

Product Description

Anbio S3 is a biodegradable polymer that may be used for straw extrusion processing. It is a compounded product with two biopolymer polymers (PLA and PBAT) and mineral. The degradation products are carbon dioxide, water and biomass which will occur by natural process in composting environment.

Features:

- Great Processability with sustainable strength and degradability vs. Time
- Does not produce noxious off gas
- Agency rating: US FDA 175.300 EU 10/2011 EC 1907/2006
- In-line drying is needed to control moisture which will cause processing issues
- Good Printability
- Excellent down-gauging potential
- Meets requirements for compostable degradable polymers: DIN EN 13492 and ASTM D6400
- Bulk storage possible in dry silo (maintaining a -30 °F dew point).

Physical Property	Nominal Value	Unit	Test Method
Density	1.38	g/cc	ISO 1183
Melt Flow Index (MFI) (190 °C/ 2.16 kg)	4~5	g/10 min	ASTM D1238
Melt Temperature	155	°C	ASTM D3418

Process Information

Anbio S3 needs to be processed with low moisture content. It is recommended that the level of moisture be less than 1,000 ppm (preferable less than 700 ppm).

Straw Extrusion Machine	
	°C
Cylinder 1	140~145
Cylinder 2	145~150
Mesh Screen	150~160
Dies	160~170

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