

Technical Data Sheet

Product Description

Anbio CTR02 is a biodegradable polymer that may be used for blown film processing. It is compounded product with two biopolymers – namely PLA and PBAT. It is designed for translucent film blowing applications. The degradation products are carbon dioxide, water and biomass which will occur by natural process in composting environment.

Features:

- Good Processing and Strong Tensile and Tear Strength.
- 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 without pre-treatment
- Good Weldability
- 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	1.25	g/cc	ISO 1183
Melt Flow Index (MFI) (190 °C/ 2.16 kg)	1.96	g/10 min	ASTM D1238
Melt Temperature	165	°C	ASTM D3418
Tensile Stress (MD)	47	Mpa	ISO 527-3
Tensile Stress (TD)	17	MPa	ISO 527-3
Elongation (MD)	86	%	ISO 527-3
Elongation (TD)	517	%	ISO 527-3
Thickness (film tested)	15	microns	

Blown Film Processing

Anbio CTR02 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).

Blown Film Processing	
	°C
Cylinder 1	140~145
Cylinder 2	145~150
Mesh Screen	150~160
Dies	160~170

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