XinFu PBS - Film

Polybutylene Succinate

Zhejiang Hangzhou Xinfu Pharmaceutical Co.,Ltd.

Message:

Poly (1, 4-butanediol Succinate) (hereunder PBS) is a kind of fully biodegradable macromolecular polymer that is synthesized from succinic acid and butanediol through a direct process of condensation polymerization. On specific conditions, this material can be finally decomposed safely and innoxiously into simple compounds such as CO2, H2O, etc.
PBS has predominant characteristics such as good thermal stability, fine mechanical and processing performance. It can be molding processed in normal plastic fabrication apparatus. Because of its excellent integrated performance, it also can be blended with other fully biodegradable plastic materials to modify the property to satisfy all kinds of manufacturing requirements of plastic products.

General Information		
Features	Workability, good Thermal stability, good Biodegradable	
Uses	Packaging Mixing Agricultural application Medical/nursing supplies	
Forms	Particles	
Processing Method	Film extrusion	
Physical	**Nominal Value**	**Unit**
Density	1.15 - 1.25	g/cm³
Melt Mass-Flow Rate (MFR)	< 8.0	g/10 min
Ash Content		%
Heat Deflection Temperature	> 80	°C
Loss on Drying		%
Mechanical	**Nominal Value**	**Unit**
Tensile Strength (Break)	> 30.0	MPa
Tensile Elongation (Break)	> 300	%
Flexural Modulus	> 400	MPa
Flexural Strength	> 20.0	MPa
Impact	**Nominal Value**	**Unit**
Notched Izod Impact	> 6.0	kJ/m²
Thermal	**Nominal Value**	**Unit**
Vicat Softening Temperature	> 101	°C
Melting Temperature	43.3 - 48.9	°C

Recommended distributors for this material

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