

BPO露天土壤自然环境生物降解聚烯烃系列

产品描述/Description:

BPP是生物降解聚丙烯的简称, 是恒昌泰BPO(生物降解聚烯烃)系列的一个分类, 具有可降解、无毒害、可回收、高强度、保质期长的特点。采用BPP制造的产品最大优点是即使泄漏到自然环境中也可以快速降解, 特别是应用在快餐盒、奶茶杯、吸管、塑料袋、食品包装、水杯等各类一次性包装物上, 可有效缓解塑料污染。

Biodegradable polypropylene, abbreviated as BPP, is a classification of the Hengchangtai BPO (Biodegradable Polyolefins) series, characterized by biodegradability, non toxicity, recyclability, high strength, and long shelf life. The biggest advantage of products manufactured using BPP is that they can quickly degrade even if leaked into the natural environment, especially when applied to various disposable packaging materials such as fast food boxes, milk tea cups, straws, plastic bags, food packaging, water cups, etc., which can effectively alleviate plastic pollution.

特点/Characteristic

- 露天土壤环境全生物降解
- 长达24-36个月的货架期
- 可回收利用
- 耐高温>100°C
- 高强度、高韧性
- Biodegradation in open-air soil environment
- Up to 24-36 months shelf life
- Recyclable
- High temperature resistance>100 °C
- High strength and toughness



性能比较/performance comparison

项目	BPP	PP	Project	BPP	PP
全生物降解	是	否	Biodegradable	yes	no
保质期	室内2-3年	长期	Expiry date	Indoor 2-3 years	long-term
颜色	微偏黄	本色/透明	Color	Slightly yellowish	Natural/Transparent
透明度		相同	Transparency		Same
光泽		相同	Gloss		Same
物理性能		相同	Physical property		Same
高/低温性能		相同	High/low temperatu		Same
设备		相同	Equipment		Same
工艺		相同	Workmanship		Same
效率		相同	Efficiency		Same

符合标准/Compliant with standards

- 生物降解:
国际: BSI PAS 9017,
中国: GB/T 41010之GB/T 22047
- 食品接触:
美国:FDA21 CFR 177.1520
欧盟:(EU) No.10/2011及(EU) 2020/1245
- 环保:
Rohs、SVHC
- Biodegradation:
international: BSI PAS 9017,
China : GB/T 41010之GB/T 22047
- Food contact :
USA :FDA21 CFR 177.1520
EU :(EU) No.10/2011及(EU) 2020/1245
- Environmental protection :
Rohs、SVHC

物性表/datasheet:

性能/Properties	试验方法/method	单位/unit	JJ2100 -030	JJ2100 -030HD	JJ2100 -400	JJ2100 -600
熔融指数 Melt Index(190°C/2.16kg)	ISO 1133 -1	g/10min	3	3	33	65
密度 Density	ISO 1183 -2	g/cm ³	0.90	0.91	0.9	0.9
热变形温度 0.45MPa HDT 0.45MPa	ISO 75	°C	108	95	110	110
拉伸强度 Tensile Strength	ISO 527 -2	MPa	31	29	31	33
断裂延伸率 Tensile Elongation at Break	ISO 527 -2	%	450	450	500	15
弯曲模量 Flexural Modulus	ISO 178	MPa	1250	880	1200	1250
IZOD冲击强度 23°C IZOD Impact Strength 23°C	ISO 180	KJ/m ²	3.5	9	3.5	3
级别 Grade			拉丝/注塑	压片/注塑	纤维/注塑	薄壁注塑
特性 Characteristic			高刚性	耐低温、抗冲击	高流动	超高流动

典型应用:

- 薄膜: BOPP膜、复合膜、食品包装膜、印刷膜等
- 包装袋: 编织袋、食品包装袋、服装袋、礼品袋、电器包装袋等
- 包装盒/杯: 快餐盒、奶茶杯、一次性水杯、水果打包装盒、面包盒、牛奶瓶/杯等
- 日化包装: 化妆品、日化包装瓶、化妆品盒子等
- 纤维: 单丝、扁丝、无纺布、口罩、纸尿裤、卫生巾、湿巾等
- Film: BOPP film, composite film, food packaging film, printing film, etc
- Packaging bags: woven bags, food packaging bags, clothing bags, gift bags, electrical packaging bags, etc
- Packaging box/cup: fast food box, milk tea cup, disposable water cup, fruit packaging box, bread box, milk bottle/cup, etc
- Daily chemical packaging: cosmetics, daily chemical packaging bottles, cosmetic boxes, etc
- Fiber: monofilament, flat filament, non-woven fabric, masks, diapers, sanitary napkins, wipes, etc



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降解, 让生活更美好! Biodegradation, making life better!