Eco-Solutions GP1025

Polylactic Acid

Minima Technology Co., Ltd.

Message:

Description
Eco Solution GP1025 is a PLA (Polylactide) based Aliphatic Polyester, and is certified as a biodegradable resin and meet ASTM D6400, EN13432. The processibility and toughness are greatly improved and thus can be leaded in blowing machine easily. The products can be used for T-Shirt bags, Die Cut bags, Compost bags, others. This grade of resin is designed for manufacturing biodegradable plastic films with high mechanical strength, outstanding elongation properties and toughness but easily colored.
Applications
Mulch films, agriculture films
Garbage bags, T-shirt bags, shopping bags
Promotional bags, hand carry bags, die cut bags
Special inside/outside packaging

General Information			
Features	High strength Comstable Good toughness Biodegradable Extended tensile rate aliphatic		
Uses	Packaging Films Bags Agricultural application		
Agency Ratings	ASTM D 6400 EN 13432		
Appearance	White		
Processing Method	Blow molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.29	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5 - 5.6	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			
MD: Yield	15.9	MPa	ASTM D882
TD: Yield	20.8	MPa	ASTM D882
MD: Fracture	52.0	MPa	JIS K6781
TD: Fracture	33.0	MPa	JIS K6781

Tensile Elongation			ASTM D882
MD: Fracture	230	%	ASTM D882
TD: Fracture	530	%	ASTM D882
Thermal	**Nominal Value**	**Unit**	
Melting Temperature	110	°C	

Recommended distributors for this material

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WECHAT