

Eco-Solutions GP1003

Biodegradable Polymers

Minima Technology Co., Ltd.

Message:

Description:

Eco Solution GP1003 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 readily.

Applications

Mulch films, agriculture films

Garbage bags, T-shirt bags, shopping bags

Heavy Duty film or bags

General Information			
Features	Comstable		
	Biodegradable		
Uses	Films		
	Bags		
	Agricultural application		
	Heavy packing bag		
Agency Ratings	ASTM D 6400		
	EN 13432		
Appearance	White		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.1 - 6.8	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			
MD: Yield	15.8	MPa	ASTM D882
TD: Yield	5.98	MPa	ASTM D882
MD: Fracture	52.3	MPa	JIS K6781
TD: Fracture	19.0	MPa	JIS K6781
Tensile Elongation			ASTM D882
MD: Fracture	650	%	ASTM D882
TD: Fracture	560	%	ASTM D882
Thermal	Nominal Value	Unit	
Melting Temperature	110	°C	

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