

Eco-Solutions GP335C

Polylactic Acid + PBS

Minima Technology Co., Ltd.

Message:

Description:

Eco Solution GP300 is a PLA (polylactide) based alloy with PBS (Poly Butylene Succinate) 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 INJECTION process easily.

Applications

Superior injection material can work friendly with conventional INJECTOIN Machine

General Information			
Features	Comstable		
	Biodegradable		
Agency Ratings	ASTM D 6400		
	EN 13432		
Appearance	White		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.2 - 14	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	93		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2620	MPa	ASTM D638
Tensile Strength (Break)	36.2	MPa	ASTM D638
Tensile Elongation (Break)	5.7	%	ASTM D638
Flexural Modulus	1620	MPa	ASTM D790
Flexural Strength (Yield)	52.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	89.4	°C	ASTM D648
Melting Temperature	113	°C	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

