

Polylactic Acid Resin

Properties

iSuoChem® PLA, full name polylactic acid or polylactide, is a polymer obtained by a series of chemical reactions with lactic acid or its dimer lactide as monomer, which belongs to synthetic polymer and has characteristics of bio-base and degradability.

Applications

iSuoChem® PLA has the characteristics of low-carbon, environmental-friendly, non-toxic, and biodegradable. It is considered as the best choice to replace the traditional petroleum-based plastics (PE, PP, PVC) and petroleum-based fiber (PET, PTT, PBT) material, widely used in the following applications:

1. Extrusion & Thermoforming
2. Injection
3. Blown film and laminating film product
4. Fiber products
5. Blowing and injection blowing molding products
6. Applied to 3D Printing filament product

Specification

Type No	Melt Flow Index (190C/ 2.16kg)	Total Corbion	Nature Works	Application
ASP21	30	L105	3260HP	Injection, sheet material, non-woven fabrics, staple fiber, filament.
ASP22	30			Injection molding
ASP41	18			
ASP61	9	L130	3100HP	Injection molding, blister molding, sheet material, film, staple fiber.
ASP62	9	LX530	3001D	
ASP64	9			
ASP81	4	L175	2500HP	Injection, sheet material, film, staple fiber, filament.
ASP82	4	LX575	4032D	Injection molding, 3D Printing, toys.
ASP84	4	LX175	2003D	Sheet material, film, staple fiber, filament.
ASP125	2~12	L130	3100HP	Transparent extrusion; poor heat resistance, casting film or as base material of blowing film compounding; laminating processing; biaxial oriented film processing; staple fibers, non-woven fabrics and other fiber products. 3D printing filament processing or as base material of 3D printing compounding.

ASP116	2~12			Excellent transparency and processability, poor heat resistance, lower optical purity. Suitable for processing of products requiring high heat sealing property, such as cast film or as base material of blowing film compounding.
ASP175	2~12	L175	2500HP	Transparent extrusion; high heat resistance, Higher optical purity; Suitable to be used as a base material of high-end extrusion-use compounds.
ASP180	3~10			Transparent, good toughness, good gloss; Toughened PLA compound, Suitable for processing of 3D printing products with high toughness.
ASP225	12~40			Excellent transparency and processability, suitable for transparent injection molding products.
ASP228	10~30			Heat-resistant PLA compound, good toughness, Suitable for high heat-resistant disposable injection molding products.
ASP228S	10~25			Heat-resistant PLA compound; high gloss after crystallization through a special process. Suitable for the processing of high-end injection molding products.
ASP228T				Heat-resistant PLA compound, better toughness, suitable for high-end injection molding products.
ASP228R				Heat-resistant PLA compound, longer service life, suitable for high-end injection molding products.
ASP234C	4~6			Heat-resistant injection products.
ASP275	12~40	L105	3260HP	Transparent, high heat resistance, good toughness, higher optical purity than ASP225; Suitable to be used as a base material of high-end injection molding use compounds.
ASP716	10~25			Good impact resistance; toughened PLA compound, suitable for processing of injection molding products with high toughness. No food contact
ASP728	5~15			Good impact resistance; Toughened PLA compound, better toughness, Suitable for injection molding products with higher toughness. No food contact
ASP736				Transparent extrusion; heat-resistant PLA compound, suitable for thermoforming with high heat resistance and low drawing ratio.
ASP401	3~10			Drinking straw, heat resistance

Packing: 25kgs/850kgs/900kgs bag

Quantity: 14.00mts/20'fcl with pallet.

Certification: BPI, TUV

Storage & transportation: Store in dry & ventilated warehouse. Don't store it in open air. Prevent sunshine & moisture. Avoid high temperature beyond 80°C. Avoid rain during transportation. It is not dangerous cargo.