About us...

Since 1975, Condensia manufactures and sells, from its facilities in Barcelona, special esters for niche applications and custom products created for our clients, with whom we aim to build solid and long-lasting collaborations, based on mutual cooperation and trust, through a relationship that is always direct and communicative, honest, quick-responding and flexible.

Rising our presence in international markets entails focusing on our primary objectives: to grow in an environmentally friendly way, to bring added value to our customers, to maintain our spirit of continuous improvement, to optimize our resources and to never forget that the people who work at Condensia make this reality possible thanks to an institutional culture based on values such as respect, professionalism, integrity and teamwork.

Passion for chemistry

bioadditives by condensia

HQ & Offices

C/ de les Jonqueres, 16, 11-A
08003 - Barcelona, España
Tel.: (+34) 93 268 06 33
condensia@condensia.com

Production Plants

C/ La Cierva 8, Pol. Ind. Can Cortés
08184 - Palau-solità i Plegamans
Barcelona, España
Tel.: (+34) 93 864 88 11

C/ Mestral 22-24, Pol. Ind. Llevant
08213 - Polinyà
Barcelona, España
Tel.: (+34) 93 864 88 11

bioadditives by condensia

Bioplastic Additives

Lactic Acid Oligomers / Complex Esters

Bioplastic Additives

Condensia offers a broad range of additives and plasticizers for bioplastics such as PLA, PHA, PBAT, PBS, starch, etc; which are green solutions for innovative applications like single use materials in food packaging, non-woven textile, coffee cups, shopping bags, etc.

They impart performing benefits to the end products:

- Reducing the melt viscosity
- Modifying mechanical and thermal properties
- Promoting biodegradability
- Improving the compatibility bioplastic-bioplastic and bioplastic-fillers
- Increasing biobased content

Glyplast®OLAs and Glyplast®PAs are additives characterized by low toxicity, low volatility, high solvating performance, low migration, high biodegradability, bio-based content and absence of residues and impurities. Due to these remarkable properties these plasticizers are generally adapted to undergo very strict legislation such as 10/2011 EC and its updates about Food Contact Materials.

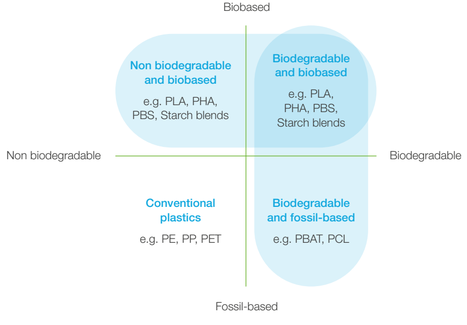
Glyplast®OLAs

Polyesters 100% biobased and biodegradable based on lactic acid, characterized by wide range of viscosities, specially recommended for bioplastics as:

- Plasticizers
- Impact Modifiers
- Compatibilizers
- Chain Extenders
- Nucleating Agents

Glyplast®PAs

Saturated polyesters 100% biodegradable and partially biobased characterized by wide range of viscosities, specially recommended as a replacement for standard plasticizers (i.e. citrates, glycerol sorbitol, etc.) when migration or extraction requirements are key features. Additionally, yield good flexibility at low temperatures.



CHEMICAL AND PHYSICAL PROPERTIES

MAIN APPLICATIONS

	VISCOSITY @25°C (cP)	DENSITY @25°C (g/cm³)	EXTRACTION RESISTANCE	AGEING	HIGH TEMPERATURE PERFORMANCE	LOW TEMPERATURE PERFORMANCE	EU FOOD CONTACT	BIODEGRADA-BILITY OECD 301F	BIOBASED CONTENT (in weight)	PLASTI-CIZERS	IMPACT MODIFIERS	CLING FILMS	CHAIN EXTENDERS	COMPATI-BILIZERS	FOOD CONTACT FILMS	NUCLEATING AGENTS	UV CURED MATERIALS
COMPLEX ESTERS																	
Glyplast PA1	850	1.09	+	+	+	++	Y	>75%	20%	●	●	●			●		
Glyplast PA2	900	1.10	+	++	+	++	Y	>75%	50%	●	●	●			●		
Glyplast PA3	2200	1.10	++	++	++	+	Y	>85%	20%	●		●			●		
Glyplast PA4	7000	1.12	+++	++++	+++	+	Y	>85%	40%	●		●			●		
Glyplast PA37	4000	1.12	+++	++	++	+	Y	>85%	20%	●		●			●		
Glyplast PA38	7000	1.12	+++	+++	+++	+	Y	>85%	20%			●			●		
LACTIC ACID OLIGOMERS																	
Glyplast OLA2	90 (40°C)	1.10	+	+	+	++	Y	>75%	100%	●	●				●		
Glyplast OLA5	2000	1.10	+	++	+	++	Y	>75%	100%	●					●		
Glyplast OLA8	22 (100°C)	1.11	++	++	++	+	Y	>85%	100%	●					●		
Glyplast OLA550	40 (100°C)	1.12	+++	++++	+++	+	Y	>85%	100%						●	●	
Glyplast OLA5023	90 (100°C)	1.14	+++	++	++	+	N	>85%	90%				●	●			
Glyplast OLA5028	50 (100°C)	1.13	+++	+++	+++	+	N	>85%	90%				●	●			
Glyplast OLA526 (UV Curable)	7600	1.21	+++	+++	++	+	N	>85%	90%					●			●