

The greenest compound solution for your specific needs

GEMABi[®]

Compostable Bioplastic Compounds



Manufacturing **TONS** of
Pioneering Solutions



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for your specific needs



From nature to production

GEMABiO is a bio based material that contains natural starch and other biologically sourced polymers. It is the greenest compound solution for disposables.

Bio cycle

When the biological process completes, GEMABiO transforms to CO₂, water, inorganic compounds and biomass which leaves no visible contaminants or toxic residue/substances.

Unique composition

In contrast to other environmental processes, such as hydrolysis or photochemical reactions, biodegradation is unique process to complete conversion of the organic substance to inorganic products (e.g., carbon dioxide and water).

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Sustainability & Compostability

GEMABiO contains renewable raw materials and it has up to 90% of bio based carbon content.

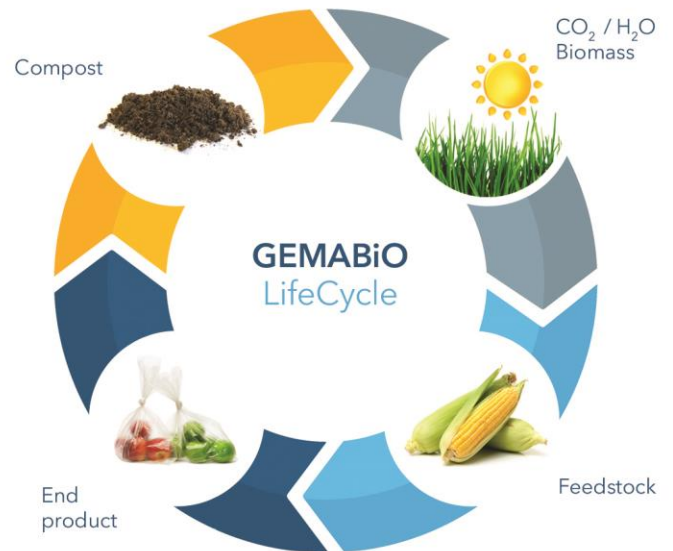
Products made of GEMABiO are completely biodegradable, and it is compostable depending on the product thickness.

GEMABiO® F : Blown film applications.

GEMABiO® E : Injection moulding.

GEMABiO® T : Thermoforming applications.

GEMABiO® P : Thermoforming and straw applications.

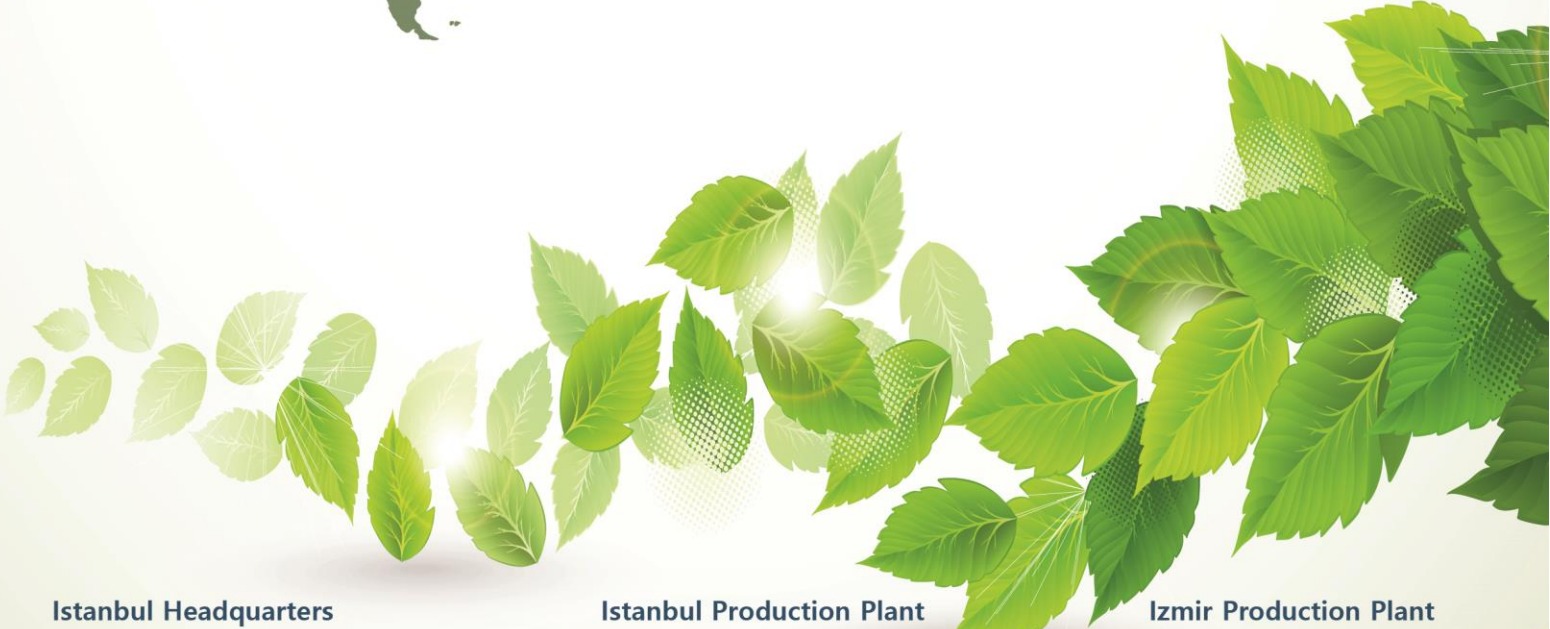


Product	Application	BBC	MFI	Density
Film				
GEMABiO F 2910*	Shopping bags	★	2.0 - 4.0	1.33
GEMABiO F 2947	Cargo bags		2.0 - 4.0	1.46
GEMABiO F 2941	Shirt bags, wrap film	★★★★★	16.0	1.21
Straw				
GEMABiO P 2884*	I-Z-Straws, cups, plate	★★★	3.0	1.30
Thermoforming				
GEMABiO T 2882	Plate, cup for hot foods	★★★★★	3.0	1.38
GEMABiO T 2883	Plate, cup for ambient foods	★★	3.5	1.31
Injection Moulding				
GEMABiO E 2869*	Cutlery, cup, plate	★★★★★	10.0	1.37
GEMABiO E 2924	Cutlery high heat resistance	★★★★★	27.0	1.48
GEMABiO E 2881	Cutlery, cup, plate	★★★★★	25.0	1.38
GEMABiO E 2933	Toys, white goods items	★★★★★	17.0	1.35
Extrusion Coating				
GEMABiO XC 2939	Paper cups, plates		4.0	1.23
Additive Masterbatch				
GEMABiO MB SA	Slip-Antiblock MB for films		5.0	1.27
GEMABiO MB FK65	CaCO ₃ filled bio-polymer		1.0 - 3.0	1.92
GEMABiO MB 2929	Impact Modifier for Thermoforming		-	1.11
GEMABiO MB SLP	Slip additive for films		6.0	1.26
GEMABiO WHITE MB	White Color biopolymer		0.5	2.25

*Certified acc. to **EN 13432** and **ASTM D 6400** standards.

MFI: 190 °C ; 2,16 kg (ISO 1133)
Density: g/cm³ (ISO 1183)

Trusted Supplier in over 50 Countries Worldwide...



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