

BIOPET

General Properties

The R&D progress allows today to produce some of the conventional polymers partially or totally from vegetable resources and no longer from fossil resources.

BioPET grades commercialized by NaturePlast have the same properties as the conventional PET and can be transformed on plastic processing standard equipments.



NaturePlast

The natural evolution of plastic



Applications

Processing: extrusion (film, sheet...), thermoforming, injection molding, injection blowing, fibers...

Markets: food packaging, various packaging, cosmetics...



Properties

- Properties similar to oil based PET.
- Processing easiness.
- Recyclable in existing PET streams.

Grade	Properties	Mixing temperature (°C)	Glass transition temperature (°C)	Intrinsic viscosity (dl/g)	Optical property	Color (L)	Color (b*)	Moisture content (%)
Test DRM		2.01	2.01	1.01		3.01	3.01	4.01
All processes								
PTI 001	30 % Biobased	248	78	0.82	Transparent	< 82	-2.5	< 0.4
Injection blowing								
PTI 002	30 % Biobased	248	78	0.74	Transparent	< 82	-2.5	< 0.4
Fibres								
PTI 003	30 % Biobased	252	79	0.6	Transparent	< 60	0.5	< 0.4