



The **Ecomp series** is Kafrit Group's new product line of compostable biopolymer solutions:

- Ecomp 100 – Compounds for film applications
- Ecomp 200 – Compounds for injection applications
- Ecomp MB's – Biobased masterbatches
- Ecomp 400 – Compounds for profiles and sheets

Please contact us for further information or recommendations.

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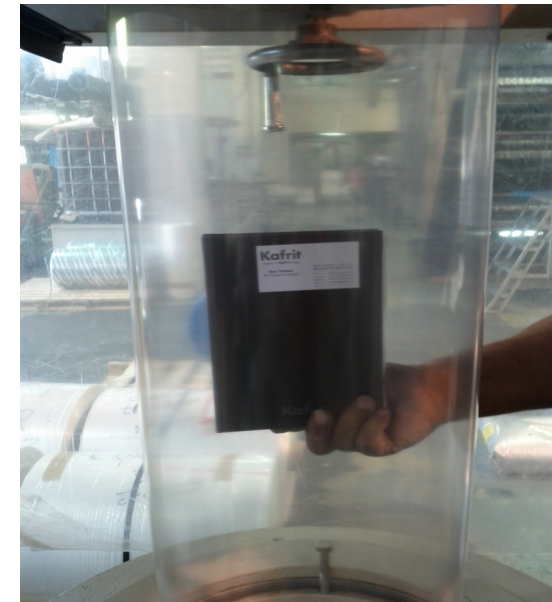
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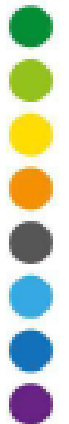
Giving Life to **Plastic**



**Biodegradable Compound for
Transparent Film Applications**



Giving Life to **Plastic**





is Comprised of 75% renewable resources and fulfils Standards: EN 13432, ASTM D6400-04, ISO 17088.

Ecomp 180 is a PLA-based compound with the addition of plasticizers and antioxidants. This unique combination results in a compound that can be easily processed on conventional **blown and cast film extrusion** equipment, with only minor process parameter changes, namely reduced temperature and controlled screw speed.

Films of 12 µm up to 100 µm may be produced and show good weldability, excellent mechanical properties and good printability.

Typical mechanical properties of blown films made of Ecomp 180:

MECHANICAL PROPERTIES		UNIT	
Nominal Thickness		µm	50
Tensile Strength at Break	MD	N/mm ²	61
	TD		47
Elongation at Maximum Load	MD	%	52
	TD		70
Puncture			154
(Graves)	MD	N/mm ²	8.3
	TD		7.5

Typical optical properties of blown films made of Ecomp 180:

OPTICAL PROPERTIES	UNITS	
Nominal Thickness	µm	15
Transmittance	%	95
Haze	%	8.75
Clarity	%	95.6

Ecomp 180 fulfils the requirements of European Standard EN 13432, ASTM D6400-04 and the Japanese green PLA Standard of compostable and biodegradable polymers. The biodegradation process in compost is influenced by the specific environmental conditions (moisture, temperature,

Recommended temperature profile for blown films made of Ecomp 180:

Barrel	Barrel	Barrel	Gate	Adapter	Die 1	Die 2
165°C	170°C	175°C	175°C	175°C	175°C	175°C

