



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.

Mr. Jonathan Antebi

Biopolymer Business Unit Manager

jantebi@kafrit.co.il

Tel: +972-50-7419809

Mr. Erez Yatzkan

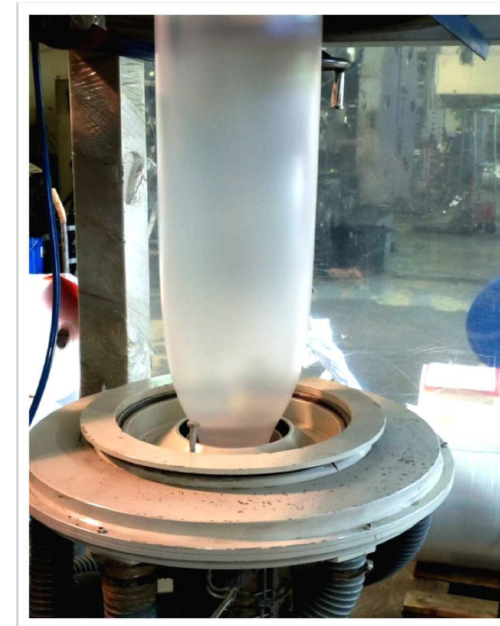
Biopolymer Product Engineer

eyatzkan@kafrit.co.il

Tel: +972-50-2108239



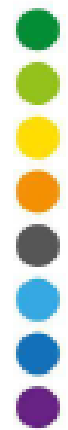
Giving Life to **Plastic**



Biodegradable Compound for Shopping Bags, Raschel Bags & Twine Applications



Giving Life to **Plastic**





Is comprised of 40% renewable resources & fulfils Standards: EN 13432, ASTM D6400-04, ISO 17088.

Ecomp 120 compound – a result of two years research – is a PLA-based compound with the addition of plasticizers and antioxidants. The 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 120:

MECHANICAL PROPERTIES		UNIT	
Nominal Thickness		µm	50
Tensile Strength at Break	MD	N/mm ²	43.6
	TD		25.4
Elongation at Maximum Load	MD	%	372
	TD		260
Puncture			186
(Graves)	MD	N/mm ²	6.8
	TD		9.6

Recommended temperature profile for blown films made of Ecomp 120:

Barrel	Barrel	Barrel	Gate	Adapter	Die 1	Die 2
175 °C	185°C	195°C	190°C	195°C	185°C	195°C

Ecomp 120 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, oxygen level, soil quality, population of micro-organisms).

