

## For Shopping Bag Applications

Ecomp 142 is a Biodegradable PHA based compound for film applications. The unique combination results in a compound that has high level of softness and flexibility and can be easily processed on conventional film extrusion equipment with only minor process parameter changes namely reduced temperature and controlled screw speed.

Ecomp 142 has a very good biodegradability in compost and Can also biodegrade in soil

### Typical mechanical properties of blown films made of Ecomp 142:

MECHANICAL PROPERTIES		UNIT	
Nominal Thickness		µm	50
Tensile Strength at Break	MD	N/mm <sup>2</sup>	25
	TD		28
Elongation at Maximum Load	MD	%	314
	TD		411
Elmendorf	MD	gr/µ	6.32
	TD		18.17



### Recommended temperature profile for blown films made of Ecomp 142:

Barrel 1	Barrel 2	Barrel 3	Gate	Adapter	Die 1	Die 2
120 °C	120°C	120°C	120°C	120°C	125°C	125°C

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 profile and sheet

**Please contact us for further information or recommendations.**

