

## Egyptian for roto & masterbatch Company

### Product description:

**Ermalene** is a high technically modified filler masterbatch which considered as important additives for different plastic applications.

### Applications



#### Ermalene for Film

uses successfully for film production to improve the mechanical properties; improve productivity; add an unique appearance for BOPP film to reach the needed opacity and also increase the output rate; decrease the production's costs; improve the printability for all kinds of films.

Ermalene can be used from 5 to 15 %.



#### Ermalene for Thermoforming

uses for PP thermoforming to increase the output rate; improve the mechanical properties; ensure faster production cycles (reducing the cooling time); decrease the shrinkage rate; increase the physical properties.

Ermalene can be used up to 60%.



#### Ermalene for Blow moulding

uses in different applications of the blow moulding to improve the mechanical properties, specially drop impact and flexural modulus; ensure faster production cycles; improve the ESCR; decrease the production's cost.

Ermalene can be used up to 40%.



#### Ermalene for Injection moulding

as a CaCO<sub>3</sub> masterbatch can be used very widely in a many applications of injection moulding such as: packaging, household appliances, automotive industry, garden furniture. Ermalene can ensure many benefits such as: improve all the mechanical properties, specially the impact strength; decreases the shrinkage rate and improves the dimensional stability; ensures faster production cycles; improves the thermal properties.

Ermalene can be used up to 50%.



#### Ermalene for Raffia

acts as an excellent anti-fibrillating agent for the woven bags production. Can improve the mechanical properties; in addition it decreases the production's costs.

Ermalene can be used from 2 to 15%.

### Form of supply

-granules

### Properties

Property	Test method	Unit	Value
Melt flow rate (2.16 kg)	ISO 1133	G/10 min	17-18
Density	ISO 1872/1	Gm/cm <sup>3</sup>	2.1-2.2
Mineral content	BSI 795-1965	%	70-80
Moisture (initial)	ISO 787/2	%	0,1