



# Einar<sup>®</sup> Polymer Additives

PLANT-BASED, FOOD-GRADE SOLUTIONS, SAFE ENOUGH TO EAT

**Palsgaard<sup>®</sup>**



# Innovation starts with demand

Three trends dominate the polymer business today: Food safety, sustainability and product optimisations. While simple in the eyes of consumers, a lot of thought goes into formulating, producing and handling plastic products – all with the three trends in mind.

## **Polymer additives that are safe enough to eat**

Beneficial to both producers and customers, Palsgaard addresses the concern over harmful substances coming into contact with their food as all of our polymer additives are essentially food ingredients.

The polymer industry also needs sustainable alternatives to petrochemical-based products that do not compromise the quality and functionality of the end products. Based solely on vegetable oils and produced in CO<sub>2</sub>-neutral factories, Palsgaard offers the most sustainable additives on the market.

Whether you are looking to produce thin-walled packaging, laminate films or simply find a better alternative to your current additive, Palsgaard helps you push the boundaries as our additives match or surpass the performance of conventional additives.

## **We have the answer: Einar® from Palsgaard**

Palsgaard's Einar® series of additives for masterbatches and polymer applications is based on food-grade vegetable oils such as sunflower oil, rapeseed oil and RSPO-certified palm oils and is produced in CO<sub>2</sub>-neutral factories.

With Einar®, you can market your packaging solutions and masterbatches with a sustainable profile while retaining the efficiency and attractive appearance of your products.

## **Dedicated R&D and application lab**

With production in Denmark, the Netherlands and Malaysia, Palsgaard covers most of the globe – and at our dedicated polymer application lab in Denmark, our scientific staff and product specialists are always ready to assist you in developing and testing new polymer applications.

# Einar® product overview

	APPLICATION	EFFECT	PRODUCT	DOSAGE
POLYPROPYLENE	Pigments	Dispersion	Einar® 101	2 - 5%
	Injection moulding	General purpose anti-stat	Einar® 201, Einar® 207, Einar® 306	0.1 - 0.5%
		Anti-stat for impact copolymers	Einar® 401	0.5 - 1.0%
		Mould release	Einar® 201, Einar® 207, Einar® 221	0.1 - 0.5%
	Compression moulding	Mould release	Einar® 221	0.1 - 0.3%
	Film	Anti-stat	Einar® 411, Einar® 204, Einar® 408	0.1 - 0.4%
		Cold fog in cast and BOPP film	Einar® 618	1.0 - 2.0%
		Hot fog in cast and BOPP film	Einar® 422, Einar® 618	0.5 - 1.5%
	Foam	Ageing modifier	Einar® 201	0.5 - 2.0%
		Anti-stat	Einar® 401	0.1 - 0.4%
	Anti-fouling	Reactor anti-stat	Einar® 981	0.01 - 0.03%
POLYETHYLENE	Pigments	Dispersion	Einar® 101	2 - 5%
	Film	Anti-stat for LDPE and LLDPE	Einar® 601	0.1 - 0.4%
		Anti-stat for HDPE	Einar® 601	0.3 - 0.6%
		Anti-fog for coextruded and laminated film	Einar® 611, Einar® 618	0.2 - 0.4%
		General purpose cold and hot fog	Einar® 211, Einar® 614	0.2 - 0.6%
	Injection moulding	Anti-stat	Einar® 601	0.5 - 1.0%
		Mould release	Einar® 201, Einar® 207	0.2 - 0.6%
	Foam	Ageing modifier	Einar® 201	0.5 - 2.0%
		Anti-stat	Einar® 601	0.2 - 0.5%
	Anti-fouling	Reactor anti-stat	Einar® 985	0.01 - 0.03%
EPS	Coating additives	Anti-stat	Einar® 501	0.1 - 0.6%
		Cooling time enhancer	Einar® 511	0.1 - 0.4%
		Anti-stat and cooling time combo product	Einar® 531, Einar® 533	0.2 - 0.5%
		Full blends GMS/GTS/Zinc stearates	Einar® 543, Einar® 544	0.2 - 0.5%
PVC	Injection moulding	Anti-stat	Einar® 601	0.5 - 1.0%
		Mould release	Einar® 201, Einar® 207	0.2 - 0.8%
		Lubricant and processing aid	Einar® 201, Einar® 303, Einar® 306	0.2 - 1.0%
	Film	Anti-stat	Einar® 601	0.5 - 1.0%
		Anti-fog	Einar® 211	0.3 - 1.0%
PC	Injection moulding	Mould release for optical media grade PC	Einar® 207	0.05 - 0.15%
PET	Pigments	Dispersion	Einar® 101	2 - 5%

To find out more or to order samples, visit [polymers.palsgaard.com](https://polymers.palsgaard.com) or contact us via [polymers@palsgaard.com](mailto:polymers@palsgaard.com).



## Einar® – a name with a legacy

Einar® was chosen as the brand name for our polymer additives as a tribute to Einar Viggo Schou, who invented the modern food emulsifier in 1917 and subsequently founded Palsgaard in 1919.

From the beginning, Einar Viggo Schou laid down a set of social and corporate values we continue to follow at Palsgaard today. In naming our polymer product range after him, we invoke his legacy of innovation, dedication and responsibility towards the world around us.

---

Learn more about our heritage and values at  
[polymers.palsgaard.com](https://polymers.palsgaard.com)



Einar® is a registered trademark of Palsgaard A/S, DK Juelsminde, Denmark · tel: +45 7682 7682 · [polymers@palsgaard.com](mailto:polymers@palsgaard.com) · [polymers.palsgaard.com](https://polymers.palsgaard.com) ·  
© Palsgaard A/S, June 2022 · All rights reserved.

**Palsgaard®**  
♥ Heart working people