

## Palsgaard<sup>®</sup> PGPR 4110

## **Product Profile**



Product Type:	Palsgaard <sup>®</sup> PGPR 4110 is a polyglycerol polyricinoleate (PGPR)
Application Areas:	Palsgaard <sup>®</sup> PGPR 4110 is used as water-in-oil emulsifier for production of e.g.: - Low fat spread emulsions
	- Tin greasing emulsions (low viscosity types for spray equipment)
Functional Properties:	Palsgaard <sup>®</sup> PGPR 4110 has a strong emulsifying effect and increases the viscosity in emulsions, contributing additonally to the emulsion stability and production safety:
	* Reduces the surface tension between the water and the fat phase
	* Stabilises the water-in-oil emulsion during the emulsification and cooling
	* Ensures a stable and homogeneous emulsion in the margarine with a low fat content.
Dosage:	0.1% - 0.4% in low fat spread emulsions 1.5% - 3.0% in tin greasing emulsions
Recipes:	25% Low fat spreads 40% Low fat spreads

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Palsgaard A/S – Palsgaardvej 10 – DK-7130 Juelsminde – Denmark – Phone: +45 76 82 76 82 – E-mail: Direct@palsgaard.dk – Fax: +45 76 82 76 83 The product is tested and recommended for use in mentioned application only. The information given is, to the best of our knowledge, reliable. However, no guarantees are given, not even in case of negligence on the part of Palsgaard A/S, and users of our products, are recommended and advised to conduct their own trials to determine whether our products are suitable for the user's specific purposes. In case of delivery of defective products the user is only entitled to order a new delivery. Palsgaard A/S assumes no guarantee against patent infringement, liabilities or risks involved from the use of this product or information given.