A Stable OMEGA-3 Ingredient for Pet Food Formulations

The Benefits of Flaxseed

Flaxseed is a sustainable, land-based source of Omega-3s that is frequently incorporated into pet foods. The seeds need to be crushed or ruptured to make their rich polyunsaturated Omega-3 fat source available, which in turn advances oxidation. Flaxseed's stability in its crushed or ruptured state is a limiting factor for the shelf life of packaged pet foods. This is where linPET can help support.

The Power of Dry Extrusion

linPET is a proven solution for flaxseed stability issues. Our patented dry extrusion process blends full-fat flaxseed and pulses (dried peas/beans), creating protein-fat and protein-starch matrices that protect the Omega-3 fat source. The effect is a nutrient-dense and shelf-stable source of Omega-3s.
How Dry Extrusion works

- Flaxseed cell wall ruptures
- Protein structures change
- Starches from the dried pulses gelatinize
- Homogenization of ingredients (flaxseed and pulses)

LinPET’s **OMEGA-3** Benefits to Pet Food:

- **Stability** of Omega-3s greater than 12 months
- Consistent and reliable nutritional profile:
  - Fat: 24%
  - Protein: 21%
  - Omega-3 fat: 12%
- Analytical in-house testing (NIR) of both raw ingredients and finished product
- Ready to use (shelf ready)
- 100% land-based, **sustainable** approach, no by-products
- Non-GMO source
- Suitable for grain-free diets
- The pulses (dried peas and beans) are a high source of fiber (assists in digestive health)
- The Omega-3s soften & make pets’ coats shine
- No fishy or marine smell
- Boosts the immune system in the pet (anti-inflammatory)