



PFAS-Free Oil and Grease Proofing Agent

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Product Category	<ul style="list-style-type: none"> • PFAS-free Oil and Grease Proofing Agent
Application	<ul style="list-style-type: none"> • Used in molded paper application
Key Function(s)	<ul style="list-style-type: none"> • Safe and Healthy for food paper packaging • Resist to cooking hot oil used in frying or baking process • Nice and esthetic food packing and display



Per- and polyfluoroalkyl substances (PFAS) are a large class of chemicals known for their water, oil, and stain-resistant properties. PFAS are a group of nearly 15,000 chemicals that have been used in consumer products and industrial processes since the 1950s. They have been used in a variety of products, including nonstick cookware, water-repellent clothing, food packaging, and firefighting foam. However, due to their environmental persistence, bioaccumulation, and potential health risks (such as cancer, liver damage, and endocrine disruption), there has been increasing scrutiny and regulation of PFAS, leading to a search for safer, PFAS-free alternatives.

Health Risks associated with PFAS exposure include:

- **Cancer:** Some studies suggest a potential link between PFAS exposure and an increased risk of certain cancers, such as kidney and liver cancer.
- **Liver Damage:** PFAS exposure can affect liver function.
- **Endocrine Disruption:** PFAS have been shown to disrupt hormone systems, leading to potential effects on the thyroid and reproductive health.
- **Immune System Effects:** PFAS exposure may impair immune function, making individuals more susceptible to infections.
- **Developmental Effects:** Exposure to PFAS during pregnancy may affect fetal development and lead to lower birth weights and developmental delays.

For more information of product



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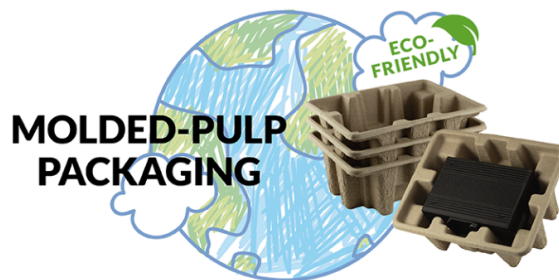
A new generation of PFAS-free Oil and Grease Proofing Agent

Stellar Unity has worked extensively with RD team of south Korean advanced chemical manufacturer for PFAS-free Oil and Grease proofing agent, specifically for molded pulp application. An oil-proofing agent in paper is designed to have nothing to do with fluoro chemistry, it is designed for a chemical additive used to enhance the paper's resistance to oil and grease in molded pulp application. These agents are particularly important in packaging applications, such as food packaging, fast food containers, pizza boxes, and grease-resistant paper. The purpose of oil-proofing agents is to prevent oils, fats, and other greasy substances from soaking into the paper and causing degradation, which can affect the strength, durability, and appearance of the paper product.

Our PFAS-free version is a new of its kind, it will work with different kinds of fibers to make molded pulp such as rice straw, bagasses, eucalyptus, or blends of the above.

However, different fibers may require different dosages in order to achieve the same level of oil and grease proofing performance, customers may need to evaluate the PFAS-free on their own process. Oil and Grease evaluation is also different from different market perspectives or end-applications by which the degree of hot cooking temperatures can be different from 50 °C to 120 °C.

Our product is ready to provide at no cost for sample evaluation with our technical support and exchange. Customers can reach our sales representative nearby or our business partners in the market. Stellar Unity likes to introduce this PFAS-free new generation to make sure the molded pulp products sold in the future are for good health of consumers all over the world. Our technical team is willing to collaborate with molded pulp manufacturers to assist them in adjusting and fine-tuning the process and product to get along well together.



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