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Fluoropolymers: Food & Pharma

Introduction

Fluoropolymers are useful for crucial components in food and pharmaceuticals production and packaging to enable quick and flexible processing, safe storage and meeting the highest purity and hygiene standards. In the European biopharmaceutical industry alone, €270m was saved between 2008 and 2012 alone due to increased prevention of contamination and material failure in biopharmaceutical manufacturing.

Applications

- Lining of valves, piping, tubing, filters, seals, gaskets and other standard fluid handling components
- Lining of mixing vessels and tanks
- Coating on processing belts
- Labware
- Medicine Packaging
- Items that need sterilization

Benefits

- Increased lifetime of components
- Lower cleaning and maintenance costs
- Increased productivity by enabling production of multiple products with the same equipment, reducing failures and improving flow of process substances
- Higher production yields and quality from improved purity of process substances
- Health benefits from high purity and hygiene standards, lower health risks from cross contamination and avoiding over / under dosage of pharmaceuticals
- Lower levels and risk of exposure of workforce and environment to chemicals, including avoiding leaks
- Prolonged preservation of the product
- Combination of steam, heat, chemical and UV resistance enable efficient sterilization

Innovations

Development of a new High Efficiency Dry Powder Inhaler - Coating the inhaler and capsule with PTFE significantly increased the emitted dose.



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