

PFAS-Free Process Aid for Polyethylenes

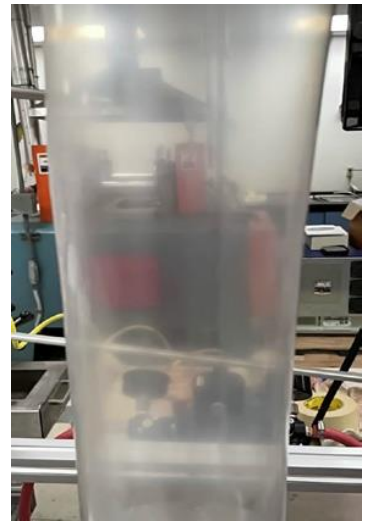
Fluoropolymers are often used during extrusion of polyolefins as a Polymer Process Aid (PPA) to prevent „melt fracture”, leading to a smooth outer surface.

Per-Fluoro Alkyl Substances (PFAS) included within these polymers as a subset, have been receiving increased regulatory and public pressure to be eliminated.

Our efforts to bring a more sustainable approach to product design, have resulted in the industry's best fluorine-free polymer Processing Aid.



Blown Film Without Process Aid



Blown Film With PFAS-Free Process Aid

Source: DOVER Chemical Corporation

PFAS-Free Process Aid for Polyethylene benefits:

- PFAS free and food approved (pending Q4 2023)
- Avoid melt fracture, gel formation and shark skin
- Reduce die lip build-up
- Smooth surface with enhanced optical properties
- Higher output and decreased pressure in the extrusion die
- Lower melt temperature and less thermal stress
- Reduced post-production waste
- Short changeover time
- Controlled MFR, Yellowness Index and gel formation after several passes



PROCESS

Blown Film ●

POLYMER

HDPE ●

● recommended
○ depending on the process and application

The above information is based on knowledge and experience of GM COLOR Sp. z o.o. and as such can not be considered strictly applicable. The customer should verify our recommendations according to your requirements and the type of application. The product is safe under the conditions of use and processing in accordance with the Act on General Product Safety Acts, Laws No. 15, item. 179 dated. March 7, 2000. Responsibility GM COLOR Sp. z o.o. as the manufacturer can not be extended to the end products for which the processor will use our products. In principle, the processor of our product is responsible for testing the finished product.