

# EVERFLON

Applications Regulated by the Food and Drug Administration

ETFE

PFA

FEP

PTFE

Dieses Datenblatt bezieht sich auf die Vorschriften der FDA zur Verwendung von Fluorpolymeren als Artikel oder Bestandteile von Artikeln, die mit Lebensmitteln in Kontakt kommen.

## Articles Intended to Contact Food

Reference: 21 CFR 177.1550 Perfluorocarbon Resins

Most Everflon™ PTFE, PFA and FEP fluoropolymer resins may be used as articles or components of articles intended to contact food in compliance with this regulation. for repeated-use food contact articles such as tubing, hoses, components of valves, etc., as well as for coatings for articles intended for repeated food contact use in compliance with this regulation. A partial list of resins that meet the requirements of this regulation is given in Table 1.

Some fluoropolymer resins are irradiated to facilitate grinding into fine powders for applications needing a very small particle size. Paragraph (c) specifies the allowable dose of radiation and maximum particle size for PTFE resins so processed and restricts their use to components of articles intended for repeated use in contact with food.

## Processing Aids for Polyolefins

Reference: 21 CFR 177.1520 Olefin Polymers

Everflon™ PTFE and FEP resins may be used as extrusion aids for polyolefins in compliance with this regulation as long as the polyolefin resin complies with the regulation.

## Components of Resinous and Polymeric Coatings

Reference: 21 CFR 175.300 Resinous and Polymeric Coatings

Most Everflon™ fluoropolymers may be used as release agents in compliance with this regulation as long as the finished coating meets the extractives limitations of the regulation. Both because of the small amount required for a release agent and its insolubility, the PTFE would be expected to contribute a negligible amount to the extractables, but it is the customer's responsibility to measure extractives on finished coating to ensure compliance.

## Components of Paper and Paperboard

Reference: 21 CFR 176.170 Components of Paper and Paperboard in Contact with Aqueous and Fatty Foods

Reference: 21 CFR 176.180 Components of Paper and Paperboard in Contact with Dry Food

Most Everflon™ fluoropolymer resins may be used as release agents in compliance with this regulation as long as the finished coating meets the extractives limitations of this regulation. Both because of the small amount required for a release agent and its insolubility, the PTFE would be expected to contribute a negligible amount to the extractables, but it is the customer's responsibility to measure extractives on finished coating to ensure compliance.

## Lubricant for Rubber Articles

Reference: 21 CFR 177.2600 Rubber Articles Intended for Repeated Use

Everflon™ PTFE and FEP can be used as lubricants for rubber articles intended for repeated use in contact with food in compliance with this regulation.

# Summary of Everflon™ Fluoropolymers Complying with FDA Regulations

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	21 CFR 177.1550	21 CFR 177.1520	21 CFR 177.2600	21 CFR 175.300	21 CFR 175.105	21 CFR 175.170	21 CFR 176.180
<b>Everflon™ PTFE Granular Resins</b> M40,M90,G401	●	●	●	●	●	●	●
<b>Everflon™ PTFE Fine Powders</b> F100,F500,F1000	●	●	●	●	●	●	●
<b>Everflon™ PTFE Dispersions</b> D60,D60P,D60F,D60C	●	●	●	●	●	●	●
<b>Everflon™ PTFE Additives</b> MV1,MV3,MVP	●	●	●	●	●	●	●
<b>Everflon™ FEP Resins</b> 4601,4603,4610,4622,4630,4603X, 4610X,4622HT,4630HT,PF4610,PF 4622,CF4610,CF4622	●	●	●	●	●	●	●
<b>Everflon™ FEP Dispersions</b> D50	●	●	●	●	●	●	●
<b>Everflon™ FEP Powders</b> JP46	●	●	●	●	●	●	●
<b>Everflon™ PFA Resins</b> 403,410,420,430,GC403,GC410CG C420,GC430,C403,C410,C420	●	○	○	●	●	●	●
<b>Everflon™ PFA Dispersions</b> D450	●	●	●	●	●	●	●
<b>Everflon™ PFA Powders</b> JP04,GS04	●	●	●	●	●	●	●
<b>Everflon™ ETFE Resins</b> 4003,4010,4020,4030,C4003,C401 0,C4020	●	●	●	●	●	●	●
<b>Everflon™ ETFE Powders</b> JP40,GS40	●	●	●	●	●	●	●

- See accompanying text and the FDA regulations for any limitations or conditions of use. It is the customer's responsibility to test finished articles to ensure compliance with the extractives limitations of applicable regulations.
- Articles made from dispersions sintered at high temperatures common to the industry should comply. Articles made from unsintered dispersions do not comply.
- Limited to articles or components of articles for repeated use in contact with food.



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For more information about our company, products and service, please visit our website at [www.everflon.com](http://www.everflon.com) or [www.everflonultra.com](http://www.everflonultra.com)