

## FDA

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### 行业

当涉及到食品和包装时，不断更新的法规要求根据食品接触的生产标准专门开发和测试材料。

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### 认证详情

美国食品药品监督管理局（FDA 或 USFDA）是美国卫生与公共服务部的联邦机构。FDA 合规意味着任何可能接触食品的材料都为惰性，人类可安全食用这些食品。

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### 试验

- 模拟液体和接触条件：
- 蒸馏水：回流温度下 2 小时
- 乙醇，50 % v/v，回流温度下 2 小时
- 正庚烷：回流温度下 2 小时
- 乙酸乙酯：回流温度下 2 小时
- 离子色谱法测定氟化物提取物
- 红外鉴别（FT-IR 分析）

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税号 (VAT) IT00593110166

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## 获得认证的材料

### 纯 PTFE 和改性 PTFE

- fluteck™ P 900
- fluteck™ P 950
- fluteck™ P 1000
- fluteck™ P 1001
- fluteck™ P 1002
- fluteck™ P 1003
- fluteck™ P 1004
- fluteck™ P 1005
- fluteck™ P 1006
- fluteck™ P 1007
- fluteck™ P 1008
- fluteck™ P 1009
- fluteck™ P 1010
- fluteck™ P 1050
- fluteck™ P 1058
- fluteck™ P 1059
- fluteck™ P 1100
- fluteck™ P 1200
- fluteck™ P 1500
- fluteck™ P 1550
- fluteck™ P 2000
- fluteck™ P 2020
- fluteck™ P 2620
- fluteck™ P 3000

### 玻璃化合物系列

- fluteck™ P 7201 GL
- fluteck™ P 7500 GL
- fluteck™ P 7502 GL
- fluteck™ P 7503 GL
- fluteck™ P 7511 GL
- fluteck™ P 7550 GL
- fluteck™ P 8000 GL
- fluteck™ P 8003 GL
- fluteck™ P 8500 GL
- fluteck™ P 8502 GL
- fluteck™ P 8503 GL
- fluteck™ P 8505 GL
- fluteck™ P 8550 GL
- fluteck™ P 8560 GL
- fluteck™ P 8600 GL
- fluteck™ P 9051 GL
- fluteck™ P 9500 GL
- fluteck™ P 9550 GL

### 碳石墨化合物系列

- fluteck™ P 7000 CG
- fluteck™ P 7500 CG
- fluteck™ P 7502 CG
- fluteck™ P 7550 CG
- fluteck™ P 8000 CG

### 石墨化合物系列

- fluteck™ P 7500 GR
- fluteck™ P 8000 GR
- fluteck™ P 8500 GR
- fluteck™ P 9000 GR
- fluteck™ P 9500 GR

### 碳化合物系列

- fluteck™ P 6500 CA
- fluteck™ P 6510 CA
- fluteck™ P 7000 CA
- fluteck™ P 7500 CA
- fluteck™ P 7510 CA
- fluteck™ P 7550 CA
- fluteck™ P 7551 CA
- fluteck™ P 7552 CA
- fluteck™ P 7600 CA
- fluteck™ P 8000 CA
- fluteck™ P 8500 CA
- fluteck™ P 8510 CA
- fluteck™ P 9000 CA
- fluteck™ P 9010 CA
- fluteck™ P 9500 CA

### 碳纤维化合物系列

- fluteck™ P 7500 CF
- fluteck™ P 8500 CF
- fluteck™ P 9000 CF
- fluteck™ P 9002 CF

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## 碳导电化合物系列

- fluteck™ P 9801 CS
- fluteck™ P 9851 CS

## EKONOL 化合物系列

- fluteck™ P 7500 EK
- fluteck™ P 8000 EK
- fluteck™ P 8500 EK
- fluteck™ P 9000 EK
- fluteck™ P 9001 EK

## INOX 化合物系列

- fluteck™ P 5000 IN

## PEEK 化合物系列

- fluteck™ P 8000 PK

## 聚酰亚胺化合物系列

- fluteck™ P 8500 PI
- fluteck™ P 9000 PI

## 石英化合物系列

- fluteck™ P 8500 QZ
- fluteck™ P 8050 QZ

## 氟化钙化合物系列

- fluteck™ P 7501 FC
- fluteck™ P 8000 FC
- fluteck™ P 8001 FC

## PCTFE 系列

- fluteck™ C 100

## PEEK 系列

- fluteck™ K 300

## fluteck S – Superior Grade

- |                       |                   |                     |
|-----------------------|-------------------|---------------------|
| • fluteck™ P 504      | • fluteck™ P FR   | • fluteck™ P POROUS |
| • fluteck™ P 507      | • fluteck™ P HCP  | • fluteck™ P XM     |
| • fluteck™ P 1522     | • fluteck™ P M2   | • fluteck™ P VXR    |
| • fluteck™ P 8500 SFC | • fluteck™ MICRO  | • fluteck™ WHITE    |
| • fluteck™ P BLU      | • fluteck™ P MXD  |                     |
| • fluteck™ P CFU      | • fluteck™ P RJ   |                     |
| • fluteck™ P FAWN     | • fluteck™ P VR-H |                     |
| • fluteck™ P FE       | • fluteck™ P VXR  |                     |
| • fluteck™ P FJ       | • fluteck™ P TPU  |                     |

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## FDA

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### Industry

When it comes to food and packaging, the growing legislation requires specifically developed and tested materials, in accordance with production standards for contact with food.

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### Certification Details

The Food and Drug Administration (FDA or USFDA) is a federal agency of the United States Department of Health and Human Services. FDA compliance means that any material that might contact food is inert and safe for human consumption.

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### Tests

- Simulant liquid and contact conditions:
  - Distilled water: 2 hours at reflux temperature
  - Ethanol 50 % v/v 2 hours at reflux temperature
  - n-heptane: 2 hours at reflux temperature
  - Ethyl-acetate: 2 hours at reflux temperature
- Fluoride extractives by Ion Chromatography technique
- Infrared identification (FT-IR analysis)

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## Certified Materials

### VIRGIN AND MODIFIED PTFE

- fluteck™ P 900
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- fluteck™ P 1001
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- fluteck™ P 2020
- fluteck™ P 2620
- fluteck™ P 3000

### GLASS COMPOUND SERIES

- fluteck™ P 7201 GL
- fluteck™ P 7500 GL
- fluteck™ P 7502 GL
- fluteck™ P 7503 GL
- fluteck™ P 7511 GL
- fluteck™ P 7550 GL
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- fluteck™ P 8560 GL
- fluteck™ P 8600 GL
- fluteck™ P 9051 GL
- fluteck™ P 9500 GL
- fluteck™ P 9550 GL

### CARBO-GRAPHITE COMPOUND SERIES

- fluteck™ P 7000 CG
- fluteck™ P 7500 CG
- fluteck™ P 7502 CG
- fluteck™ P 7550 CG
- fluteck™ P 8000 CG

### GRAPHITE COMPOUND SERIES

- fluteck™ P 7500 GR
- fluteck™ P 8000 GR
- fluteck™ P 8500 GR
- fluteck™ P 9000 GR
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### CARBON COMPOUND SERIES

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- fluteck™ P 8500 CA
- fluteck™ P 8510 CA
- fluteck™ P 9000 CA
- fluteck™ P 9010 CA
- fluteck™ P 9500 CA

### CARBON FIBER COMPOUND SERIES

- fluteck™ P 7500 CF
- fluteck™ P 8500 CF
- fluteck™ P 9000 CF
- fluteck™ P 9002 CF

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**CARBON CONDUCTIVE COMPOUND SERIES**

- fluteck™ P 9801 CS
- fluteck™ P 9851 CS

**EKONOL COMPOUND SERIES**

- fluteck™ P 7500 EK
- fluteck™ P 8000 EK
- fluteck™ P 8500 EK
- fluteck™ P 9000 EK
- fluteck™ P 9001 EK

**INOX COMPOUND SERIES**

- fluteck™ P 5000 IN

**PEEK COMPOUND SERIES**

- fluteck™ P 8000 PK

**POLYMIDE COMPOUND SERIES**

- fluteck™ P 8500 PI
- fluteck™ P 9000 PI

**QUARZ COMPOUND SERIES**

- fluteck™ P 8500 QZ
- fluteck™ P 8050 QZ

**CALCIUM FLUORIDE COMPOUND SERIES**

- fluteck™ P 7501 FC
- fluteck™ P 8000 FC
- fluteck™ P 8001 FC

**PCTFE SERIES**

- fluteck™ C 100

**PEEK SERIES**

- fluteck™ K 300

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| • fluteck™ P 8500 SFC | • fluteck™ MICRO  | • fluteck™ WHITE    |
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