



**21 CFR 177.1550  
MATERIAL COMPLIANCE**

## **MATERIAL: Virgin Teflon (PTFE)**

### **USE OF FDA COMPLIANT MATERIAL: PTFE COMPONENTS**

Poly Tetra Fluoro Ethylene is a fluorocarbon-based polymer abbreviated PTFE. This fluoroplastic family offers high chemical resistance, low and high temperature capability, resistance to weathering, low friction, electrical and thermal insulation, and "slipperiness". PTFE's mechanical properties are low compared to other plastics, but its properties remain at a useful level over a wide temperature range of -100°F to +300°F (-73°C to 149°C). PTFE has excellent thermal insulation properties and a low coefficient of friction.

#### **PTFE characteristics :**

- Low coefficient of friction
- Excellent chemical inertness
- Non-adhesive surface
- Withstanding temp range of (-200° C to +260° C)

(PTFE) Complies with FDA indirect food contact regulation 21 CFR 177.1550

Additional information on 21 CFR 177.1550 can be obtained via:

<http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/CFRSearch.cfm?fr=177.1550>