



## Application Profile

DuPont™ Teflon® PTFE Dispersion  
PTFE Infused Fabric and Conveyor Belting Provides Superior Performance

### Introduction

Applied Plastics Corporation, of Tuscumbia AL, is an innovator in high performance coated fabrics and industrial belting products.

Under its Applon™ product line, Applied Plastics produces a number of premium PTFE impregnated products using genuine DuPont™ Teflon® coupled with proprietary manufacturing processes.

This proprietary PTFE impregnation process was developed by Applied Plastics in 1965 and allows for an even distribution of PTFE throughout the base material and offers superior performance to more traditional surface coating techniques.

### Key Applon™ Benefits

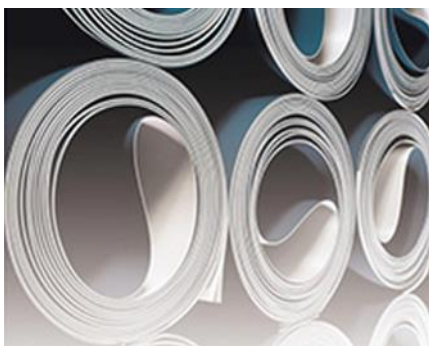
- High thermal stability
- Continuous service temperature of 500°F
- Static dissipative properties (carbon filled version)
- Superior chemical, solvent and environmental toughness
- Excellent release properties
- Water and fluid repellency
- Ideal asbestos alternative
- Resistant to sunlight and other UV sources

### Technology

Applied Plastics has made significant investments in proprietary fabric coating processes, specialized equipment and technology to support the production of high-temperature fabrics and belting.

In addition, all Applon™ products are manufactured with the latest aqueous fluoropolymer technology from DuPont.

DuPont™ Teflon® aqueous fluoropolymers are dispersions of PTFE particles in water, stabilized by non-ionic wetting agents. These aqueous dispersions offer a practical method for impregnating fabrics, belting and other base materials, with PTFE to impart many of the benefits of fluoropolymers into the finished product.



Example of Polytetrafluoroethylene (PTFE) impregnated conveyor belting.



Example of fluid repellency in Polytetrafluoroethylene (PTFE) impregnated fabric.

### Materials Selected and Why

Applied Plastics selected DuPont™ Teflon® PTFE aqueous dispersion for its unique and high performance characteristics.

DuPont™ Teflon® PTFE aqueous dispersions have allowed Applied Plastics engineers to move past traditional design boundaries to produce extreme duty PTFE impregnated fabrics and belting that exhibit consistent quality, performance and durability.

Applon™ PTFE impregnated fabrics and belting are designed for continuous service temperatures up to 500°F and are available in any desired length, in thicknesses up to .125 inch and widths to 88 inches.

To request additional information, please contact:

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Applied Plastics Corporation was founded in 1965 and has evolved into a full service fabric and belting OEM supporting a broad range of industries and end use applications.

### Applied Plastics Corporation (an ISO-9001 company)

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