



## DuPont™ Tynex® StaClean™ Filament

Another novel technology from DuPont: Tynex® StaClean™ filaments that contain antimicrobial additives which inhibit the growth of bacteria and fungi on the filaments



*The miracles of science™*

## Product Description

Tynex® StaClean™ filaments are designed to inhibit microbial growth on the filaments between uses.

*Note: It is recommended to rinse the filaments immediately after every use.*

## How It Works

Tynex® StaClean™ filament contains inorganic silver and zinc antimicrobial additives which inhibit growth of micro-organisms (bacteria, fungi and yeast) on the filaments. **NOTE: THE ANTIMICROBIAL PROPERTIES OF THESE FILAMENTS DO NOT PROTECT THE USERS AGAINST FOOD BORNE OR DISEASE CAUSING BACTERIA, VIRUSES, GERMS OR OTHER DISEASE ORGANISMS.**

## Antimicrobial Test Conditions

Antimicrobial activity was assessed using the **Shake Flask method\***. This procedure has the advantage over other methods by ensuring good contact between the test microorganisms and the treated filaments. Two strains of bacteria and one fungal strain were tested with Tynex® StaClean™ filament in a buffered salt solution. The test was conducted with agitation of the filaments and the microbes for the time period indicated in the Test Results chart.

\*Tests performed by two independent labs – SGS-Shanghai and Japan Spinners Inspecting Foundation, with testing protocol ASTM E 2149 2001 and the Sen'i Evaluation Kino Method.

**For more information about DuPont filaments or the name of a manufacturer who might fill your needs, contact one of the DuPont offices below**

### Europe, Middle East, Africa

DuPont Filaments – Europe B.V.  
Minckelersstraat 8  
6372PP Landgraaf  
Phone: +31 45 532 9191  
Fax: +31 45 532 7948

### Asia Pacifics

DuPont China Holding Co., Ltd.  
Blg. 11, 399 Keyuan Road  
Zhangjiang Hi-Tech Park  
Pudong New District  
Shanghai 201203, China  
Phone: +86 21 38622372  
Fax: +86 21 38622469

### North America

DuPont Filaments – Americas, LLC.  
Washington Works Plant  
8480 DuPont Road  
Building 158  
Phone: +1 304 863 4908  
Fax: +1 304 863 2779

### South America

DuPont do Brasil S.A.  
Alameda Itapecuru, 506  
Alphaville  
06454 080 Barueri  
São Paulo, Brazil  
Tel: +55 11 4166 8690  
Fax: +55 11 4166 8513

## Test Results

### DuPont™ Tynex® StaClean™ Antimicrobial Testing

Microbes Evaluated	Reduction %	Reduction %
	1 hour	24 hours
<i>Escherichia coli</i>	99.9	99.9
<i>Staphylococcus aureus</i>	99.9	99.9
<i>Candida albicans</i>	N/A	99.9

DUPONT MAKES NO HEALTH CLAIMS REGARDING THE DATA OR THE FILAMENT. THE DATA PRESENTED DO NOT SUPPORT A CLAIM THAT THE FILAMENT PROTECTS USERS AGAINST GERMS OR DISEASE CAUSING ORGANISMS.

## Product Offering

Code: Tynex 2901HA  
Colors: White WT041, custom color available  
Sizes: 6-10 mil (0.15 - 0.25 mm)  
Shape: Round  
For other custom products, please contact your local DuPont sales representative

## Compliance

Components are in full compliance with the US Federal Food, Drug and Cosmetic Act for food contact applications  
Components are in full compliance with EU Food contact regulations  
Components are in full compliance with US EPA requirements

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CAUTION: Do not use in medical application involving permanent implantation in the human body. For other medical applications, please contact your local DuPont sales representative for "DuPont Medical Caution Statement".

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