

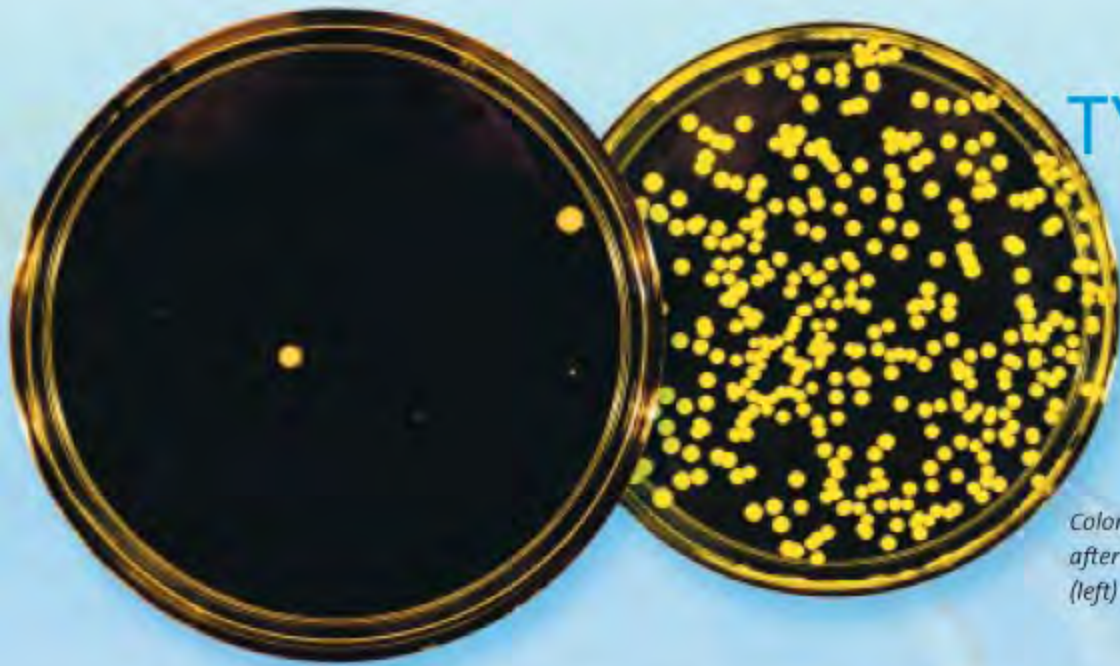
NEW

MODERNplastics

A GE TECHNICAL SOLUTIONS NETWORK MEMBER
"Setting the Standards in Plastics Distribution"TM

ISO 9001:2000 Certified

TYGON® ANTI-MICROBIAL TUBING



Colonies formed by viable bacteria after exposure to AlphaSan® treated (left) and untreated (right) polymer.

Features/Benefits

- Reduces formation of slime and mildew
- Inhibits growth of microbes on many materials
- Can be produced in a variety of polymer types and multi-layered extrusions
- FDA registered for food contact

Typical Applications



- Food and beverage



- Ice machines



- Water purification



- Water bottle straws



- Dairy



- Lab

Decreases bacterial growth

Is Your Tubing Protected Against Microbes?

Microorganisms are living cells so small that most can only be seen with a microscope. Microbes, which are found everywhere, include bacteria, fungi and algae. The majority of microbes do not interfere with human activities. However, in some situations they can cause problems. Growth of microbes on many materials, including tubing, can lead to foul odors, discoloration and formation of mildew and slime. In the case of tubing, they can contaminate the material being transferred as well as degrade the tubing itself.

Leader in Anti-Microbial Technology

Saint-Gobain Performance Plastics is the leader in anti-microbial tubing technology. Our custom compounding capabilities allow us to produce anti-microbial versions of many of our tubing products, including Tygon®, Norprene®, Vendflow®, and Tygothane®. Tubing can be treated on the inner surface at the point of fluid contact, or the entire tube can be treated in cases where bacteria buildup on the OD is a concern.

Adds Value

Cleaning procedures, such as washing with detergent and hot water, can kill microbes, but this process can be time-consuming and costly, and does not provide residual protection against fresh contamination. The additional use of a durable and safe anti-microbial treatment is the best way to provide protection against microbial contamination. Offering your customer this enhanced protection adds value to your product.

How it works

AlphaSan[®], the anti-microbial polymer compound used by Saint-Gobain, is a zirconium phosphate-based ceramic ion-exchange resin containing silver. Silver is recognized as being safe for human contact and is an integral part of anti-microbial additives, which provide the following benefits:

- Inhibitory activity against a wide range of microorganisms, improving contamination control
- Consistent anti-microbial impact through silver ion exchange, not just during cleaning procedures
- Anti-microbial polymer compound is EPA FIFRA registered for contact with food and drinking water, and also FDA registered for food packaging

Applications

Silver is known to be effective against a broad spectrum of microorganisms that cause discoloration, odor, biofouling and other aesthetic problems. Anti-microbial polymer compound can be added to approved materials at varying levels to impart fungistatic, bacteriostatic and algistatic properties to the material and the end-use product. The high temperature stability and low color formation of anti-microbial polymer compounds translate to proven performance in a wide variety of applications.

This product does not protect users or others against disease-causing bacteria. Always clean this product thoroughly after each use.



Choose from a Variety of Recommended Formulations, Including:



Tygon[®] Beverage Tubing,
Formulation B-44-3



Vendflow[®] Taste Barrier Tubing,
Formulation E-70-V-CE



Norprene[®] Food Process Tubing,
Formulation A-60-F



Tygothane[®] Polyurethane Tubing

Tygon[®], Vendflow[®], Norprene[®], Tygothane[®] are Saint-Gobain Performance Plastics registered trademarks.
AlphaSan[®] is a registered trademark of Milliken-Chemical.



IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Performance Plastics tubing for all intended uses. Laboratory and clinical tests must be conducted in accordance with applicable regulatory requirements in order to determine the safety and effectiveness for use of tubing in any particular application.

For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product to be free from defects in materials and workmanship. Our only obligation will be to replace any portion proving defective or at our option to refund the purchase price thereof. User assumes all other risk, if any, including the risk of injury, loss or damage, direct or consequential, arising out of the use, misuse or inability to use this product. THIS WARRANTY IS IN LIEU OF THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. No deviation is authorized.

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