

IONICGUARD®

SPECIALTY MATERIALS



Polymers such as recycled plastic, resin and rubber play an essential role in everyday life. However, polymers can develop nasty odors during the manufacturing process as well as during end-use, so much so, that they become unpleasant to handle or work with.

IONICGUARD® is a state-of-the-art odor control system designed to enhance processed plastic products. It is a synergistic combination of fragrance and odor neutralization ingredients that deliver scientifically proven performance.





OVERVIEW

How does it **work**?

While competitive technology attempts to shroud malodor molecules without bonding, IONICGUARD® utilizes active odor neutralization, with proprietary ingredients that ionically and covalently bond to

malodor molecules. These bonds are strong enough to convert the lighter, volatile malodor molecules into larger, heavier, non-volatile molecules that cannot be detected by the human sense of smell.

Main features

- Primarily designed as an additive for POLYESSENCE®.
- Unique active odor neutralization technology.
- Effectively neutralizes 95% of odors, including, but not limited to ammonia, Diethyl Amine, Indole, Skatole, ISO Valeric Acid, Methyl Mercaptan, Hydrogen Sulfide, Mildew, Food Odor, Pet Odor & Urine, Smoke, Body Odor.
- Can be custom formulated for several market applications and OEM processing methods.



TYPICAL APPLICATIONS

Consumer goods & Appliances

- Trash Bags & Fllms
- Medical Products
- Hygiene supplies
- Pet Care
- Auto & Home Care



COLOR OPTIONS

Color reference chart

Get inspired from a broad range of standard colors. Request a RAL fan deck or ask one of our experts.

Custom formulations

Talk to your coating expert regarding custom formulations to fit your exact needs.

Compliance

IONICGUARD® can be formulated to be compliant with certain guidelines. Ask our experts to see what different types of compliance, certification, or accreditation is available for your product.

Care & maintenance

SYNLEX is a synthetic product and when treated with care and the correct products, SYNLEX will have a long, and durable life.

Contact our technical experts for specific tips and advice.

Troubleshooting

IONICGUARD® is a synthetic product and when treated with care and the correct products, IONICGUARD® will have a long, and durable shelf life.

Contact our experts for specific tips and advice.

PROVEN PERFORMANCE

IONICGUARD® can be tested on demand for various properties:

- Malodor Intensity
- Release
- Viscat Softening Point
- Density
- Melt Flow Rate
- Pellet Count





FORMULATING THE RIGHT MIX

For more than 45 years, the Protech Group has been developing and manufacturing coatings, paints, and specialty materials. Through quality and innovation, we formulate the right mix to protect and enhance what matters most to our customers. The Protech Group products are manufactured in more than 20 sites worldwide. We serve our customers in countless markets and industries, including construction, infrastructure, transportation, consumer goods, and healthcare.



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