

# POLYESSENCE®

**SPECIALTY MATERIALS**



Instead of more traditional methods of releasing fragrances into the environment such as candles and sprays, fragrances are now increasingly being embedded in consumer goods such as bags, storage containers, and hygiene films, sachets, air fresheners to impart scent into the environment.

POLYESSENCE® is a high-performing flavor or fragrance concentrate designed as an additive to your plastic components. The versatile additive is ideal for polymer-based applications including multilayer, blow molded containers and injection molding.





## OVERVIEW

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### How does it **work**?

Our proprietary POLYESSENCE® formulations are complex mixtures of fragrance materials which are dispersed in a unique, multi-component polymer alloy. These concentrates can be used in their

original form, or molded or extruded to suit your needs. POLYESSENCE® is compatible with PE, PP, EVA, and PVC.

### Main **features**

- Can be custom formulated for several market applications and OEM processing methods
- Color, flavor, and fragrance matching capabilities
- Unique time-release properties
- Unique manufacturing process ensuring delicate fragrances are not damaged during processing
- Scent-infused, dry to the touch, dust free plastic pellets
- Packaged in vapor barrier containers



**POLYESSENCE®** For pet care

## TYPICAL APPLICATIONS

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### Consumer goods & Appliances

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

### Commercial & Industrial

- Janitorial & Sanitation
- Air Care

## COLOR OPTIONS

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### 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

POLYESSENCE® 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

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

Contact our technical experts for specific tips and advice.

## Troubleshooting

We stand by our products, even when things don't go quite as planned. We are here to help address your issues with proven solutions.

Contact our experts for specific tips and advice.

## PROVEN PERFORMANCE

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POLYESSENCE® can be tested on demand for various properties:

- Fragrance 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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