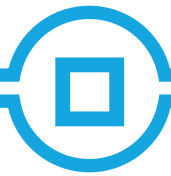


BARRIER TECHNOLOGY



SURFACE MODIFICATION



HEALTH & BEAUTY

Plastics are prized for their light weight, design flexibility, reduced transportation cost, and more sustainable imagery.

Inhance Technologies' unique Fluoro-Seal Process™ provide innovative benefits for plastics helping Consumer Product Goods designers and engineers improve performance, manage costs, reduce design complexity, and enhance the durability of their products.

Polyolefins are among the most broadly used plastics today in the Consumer Product Goods market due to their excellent properties, performance, and sustainability.

While polyolefins tend to be excellent containers for many products, these polymers have inherently poor barrier to organic solvents and low surface energies, and may not be suitable for all product formulations.

By utilizing our Fluoro-Seal Process and Reactive Gas Technology, designers and engineers can address these challenges, providing greater flexibility in creating the products of tomorrow while enhancing the products of today.

APPLICATIONS

Skin & Hair Care

- Face moisturizers
- Soaps
- Colorant treatments
- Shampoo & Conditioner
- Hair styling products

Cosmetics & Fragrances

- Fragrances
- Make-up brushes
- Liquid foundation
- Eye makeup
- Lipstick tubes
- Mascara

Health Care

- Neautriceauticals

• Wound Care

- Pet Care
- Non-Wovens

Grooming

- Shave gels
- Razors
- Deodorant
- Brushes

Oral Care

- Toothbrushes
- Toothpaste
- Rinses

Baby Care

- Baby Utensils
- Diapers





BARRIER TECHNOLOGY



SURFACE MODIFICATION



BENEFITS OF REACTIVE GAS TECHNOLOGY™

- Diminished migration of aromatic ingredients enables longer product life for fragrances
- Enhanced adhesion can help manufacturers sustain their printed brand image through the lifetime of the product, while enabling usage of water-based inks and adhesives
- Increased surface energy and modified surface chemistry allow for better wetting and adhesion across different material substrates
- Long-lasting treatment enables manufacturers to store intermediate finished goods long-term for future printing/ usage
- Enhanced wettability of products enables moisture management
- Improvements in lubricity and wear properties help to extend the life time of a product

BENEFITS OF FLUORO-SEAL PROCESS™

- Enables consistent and uniform surface modification of plastics parts regardless of size and complexity enabling full surface treatment - inside and outside
- Prevents content loss, flavor loss, container paneling, label flagging, discoloration, softening, and odor emissions
- Greatly reduces permeation through and absorption of contents into the container wall

ADDRESSABLE FORMULATION INGREDIENTS

Arachis Hypgaea Oil	Isoeicosane
Avena Sativa Kernel Oil	Isohexadecane
C10-11 isoparaffin	Isooctane
C10-13 isoparaffin	Isopentane
C11-12 isoparaffin	Lanolin Oil
C11-13 Isoparaffin	Limomene
C12-14 Isoparaffin	Mineral Spirits
C12-20 isoparaffin	Octadecane
C13-15 alkane	Octane
C13-16 Isoparaffin	Octene
Cocos Nucifera Oil	Olea Europaea Fruit Oil
Decene	Papaver Orientale Seed Oil
Diethylhexyl 2,6-naphthalate	Pentane
Dimethyl ether	Petroleum Distillates Toluene
Dodecene	Xylene
Heptane	Zea Mays Oil
Isododecane	



Enhanced wettability, improvements in lubricity and wear properties are just a few of the benefits consumers can expect with Inhance solutions.



Inhance Technologies solutions can be applied in a number of industries to improve product.

INHANCE

INHANCE TECHNOLOGIES

16223 Park Row, Suite 100

Houston, TX 77084

T: 281-578-1440 F: 281-578-3159

inhanceproducts.com

©2013