

# Increased Stain Resistance for Plastics with ModyClear™

Natural dyes and color bodies, flavors, oils and fats, detergents, cleaners and other materials can readily be absorbed into plastics causing the surfaces to become stained and discolored. Whether the plastic article is a food storage container, a durable appliance like a dishwasher or refrigerator, or packaging, staining reduces consumer appeal and product functionality. For food and beverage applications, absorption of flavor and color molecules can also negatively alter taste and odor. Stained food storage containers, appliance surfaces, cutting boards and other home goods imply poor quality and create dissatisfaction.

Inhance Technologies' ModyClear™ permanently modifies the surface of plastics, making them substantially more resistant to the penetration of stain, flavor and odor molecules. ModyClear™ is effective at blocking the absorption of the toughest stain-causing agents, including tomato sauce, mustard, and turmeric, while at the same time preventing migration of odor and flavor into the plastic.

**ModyClear™ permanently modifies the surface of plastics, making them substantially more resistant to the penetration of stain, flavor and odor molecules.**

ModyClear™ is effective in resisting stains under conditions such as microwaving and dishwashing. Unlike coatings, ModyClear™ will not wear off, even when used in extreme conditions and over repeated uses. This allows for durable stain proofing of all surfaces of plastic articles. In addition, ModyClear™ imparts quick-drying performance to containers, rapid draining of detergents in case of appliances such as dishwashers and prevents the formation of ice droplets in frozen food containers.

## Advantages of ModyClear™

- Improves stain resistance to a wide variety of ingredients
- Protective barrier against odor and flavor barrier
- Prevents flavor contamination in durable food packaging
- Ensures good flavor retention in stored food
- Durable long-lasting effect, even when exposed to harsh conditions
- Speeds drying of plastic articles after hand or dishwashing
- Ensuring high printing quality on plastics substrates
- Free of BPA, phthalates and PVC

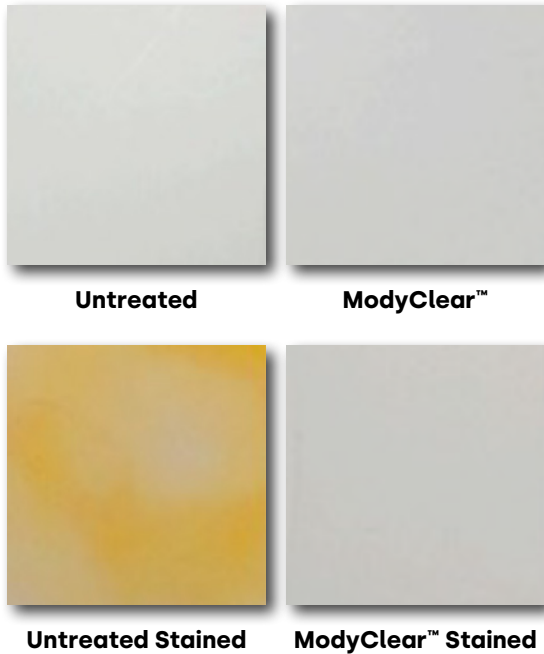


# ModyClear™

## Applications

ModyClear™ is most effective on polyolefins such as PE and PP, but can also be used on other plastics materials. It is used to treat plastic articles across many industries for various applications including:

- Consumer goods – Health & beauty, appliances, food storage, water filtration
- Industrial – Filtration membranes, commercial dishwasher, commercial washing machines



**ModyClear™ offers our customers peace of mind that they are not only choosing a better technology but also committing to making the world a better place in the process.**

At Inhance Technologies, our focus is—and will always be—on using technology as a means to achieve a more sustainable future. As a global technology transformation partner specializing in plastics and chemicals, we believe in the science of better: innovating safer, environmentally friendly and more sustainable materials. Our sustainable manufacturing processes produce zero solids waste, zero water waste and zero emissions.

Inhance Technologies is an ISO9001:2015 and RC14001:2015 certified company.

## Contact Information

+1.800.929.1743 | [modyfy@inhancetechnologies.com](mailto:modyfy@inhancetechnologies.com) | [inhancetechnologies.com](http://inhancetechnologies.com)

ModyClear™ is a product in the Modyfy™ line of surface technologies.