

FASTHEAT

GIVE BOTTLE PRODUCTION A BOOST

SPEEDING UP YOUR PROCESS

In an increasingly green economy, packaging industry players who can reduce bottle blowing time and/or energy consumption have an advantage. As a specialist in circular solutions, we created FastHeat to lessen blowing time and energy consumption and assist in the recyclability of your bottles. Quickening production, helping the planet and supporting you from start to finish, Holland Colours is ready to help turn up the heat on your time.



WHY IS THIS PRODUCT BENEFICIAL?

During blow molding, existing PET preforms must be reheated with infrared light so they can be blown into the final bottle form. As natural PET resin has low absorption of infrared light, a traditionally long heating time is required. With FastHeat, that time can be significantly reduced, resulting in less energy usage and higher output when compared to processing without it. That translates to a more planet friendly process and greater speed to market.



HOW DOES FASTHEAT WORK?

The FastHeat additive increases the infrared light absorption of the PET bottle preforms. This decreases the residence time in the oven and, therefore, lowers overall energy usage. Along with reducing production time and energy cost, FastHeat can be combined with colorants to create a light blocking feature absorbing harmful radiation and transforming those wavelengths into harmless heat.



WHAT LED TO THE DEVELOPMENT OF FASTHEAT?

As the concern over energy use and recyclability of plastics grows, Holland Colours continuously seeks solutions to industry concerns. Hearing a need from customers to conserve time and materials, we created a product that reduces production time and can counteract the color deviation of rPET material. From our start, we have been leaders in planet friendly materials and smart production processes. FastHeat was a logical addition to broaden our palette of industry-advancing, low-dosing, easy to handle additives and colorants.



WHAT TYPES OF FASTHEAT ARE AVAILABLE?

There are several types of FastHeat, depending on what other advantages are needed. The table below shows how widely FastHeat fits into the blow molding industry and its compatibility through the bottle's life cycle.

FastHeat	Designed for	Heating time	With HCA	Sorting	Shade
		Reduction	TintMask		
FastHeat Classic		✓✓✓		✓	✓
FastHeat Classic IM	injection molding	✓✓✓	•	✓	✓
FastHeat Sort		✓✓		✓✓✓	✓✓✓
FastHeat Sort IM	injection molding	✓✓	•	✓✓✓	✓✓✓
FastHeat Sort RM	mechanical recycling	✓✓	••	✓✓✓	✓✓✓



WHAT OTHER BENEFICIAL PRODUCTS CAN I GET?

We have an extensive line of additives and colorants to use in many types of polymers. So whether you are looking for UV protection or making your brand stand out, we've got you covered. Contact us at any of the locations listed to the right - we'd like to hear what you need. And if we don't have what you're looking for now, we might have it tomorrow. Because at Holland Colours, we're expanding everyday.

FIND OUT MORE

Contact our sales people about purchasing quantities and deliveries, or our technical experts for information about our technology and its implementation:

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FASTHEAT

Reducing the heating time and energy needed during bottle blowing.