

REHEAT ADDITIVES



Processing of hard-to-reheat materials, with minimal negative impact on process parameters, is critical to converters. Successfully improving reheat performance brings reduced energy costs and scrap rates for optimal manufacturing efficiencies and reduced carbon footprints. Reheat additives help mitigate the negative impact of hard-to-reheat materials through increased infrared absorption, allowing for faster reheating, higher line speeds, and smaller, less expensive reheat ovens.



Processing Efficiencies

High TiO₂ content or thick preforms reheat slower than other products, negatively impacting the reheat process, and ultimately the ability to process PET. Introducing low levels of a reheat additive brings processability back to optimal manufacturing capabilities.

Improved Cycle Times

By enabling faster reheat of preforms through improved infrared retention, processing times are reduced for every article, adding up to an overall improvement in run rates and efficiencies. Improved reheat properties fuel improved cycle times that bring increased production quantities, improved quality, reduced scrap, and increased line capacity.

Reduced Energy Costs

When PET can absorb more infrared wavelengths, it can reheat faster. When the material reheats faster, it also allows for the reduction of IR lamp temperatures. These two process improvements together reduce overall energy costs and help to reduce carbon footprints.

Code	Form	LDR
66PA12673	Masterbatch	1.0%
66PA14381	Masterbatch	0.1%



Whether a stand-alone reheat additive or bundled with other products into a one pellet solution, we have a solution. Reheat additives are available in masterbatch pellet form at general and ultra-low usage rates. Reheat additives perform reliably under typical PET and rPET temperatures and are also safe for use in food and beverage applications, meeting FDA and EU regulatory requirements.

Applications: Food & Beverage, Household, Personal Care, Pharmaceutical, Nutraceutical, Industrial & Chemical.

Consultation with Penn Color to discuss your application needs will ensure the correct product and LDR is recommended. Our Masterbatch products are available globally, regional coding suffixes may apply. Regional coding suffixes may apply.

IMPORTANT INFORMATION

ISO 9001 Certified

LDR recommendation is intended for guidance only and may need to be adjusted based on performance, processing method and regulatory requirements. Detailed compliance documentation can be provided by Penn Color's Product Stewardship Department upon request. However, be advised it is the responsibility of the user to assess its product uses and applications and assure compliance to all applicable laws and regulations, including FDA 21 CFR and EU food contact status. Regional coding suffixes may apply.