

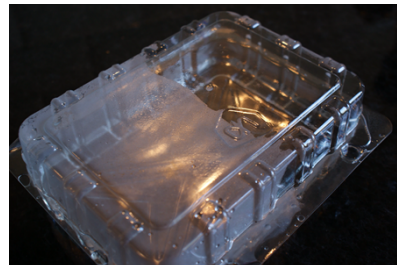
52162-4060

FOODCARE® ANTIFOG SF05

Antifog agent for the plastic industry

PRODUCT DESCRIPTION:

Fogging most commonly occurs when there is a temperature differential between the inside and the outside of an enclosed atmosphere causing localised cooling at the interface.



The product FoodCare® Antifog SF05 prevents fogging on the surface of the extruded sheet and thermoformed packaging. The condensed water droplets spread easily into a continuous and uniform visible layer.

APPLICATION:

Antifogging performance hinges on two chemical capabilities: sheeting and hydrophilicity, the degree to which a molecule is compatible with water. Water ordinarily condenses on a surface as tiny droplets. These refract light in such a way that you can't easily see through the surface. But if the surface is treated with an antifog, you get a vastly different picture. The antifog is hydrophilic, so they dissolve in the water droplets. And as they do, they lower the surface tension of the droplets. Droplets spread or sheet across the surface, forming one continuous film. This film refracts light the same way a dry surface would.

The result: clear visibility.

REGISTRATION:

FoodCare® Antifog SF05 is in line with the EU Directive Regulation (EU) No 231/2012 of 9 March 2012 laying down specifications for food additives with E number E 473. A copy of the statement is on request available.

PROPERTIES:

- antifogging performance on the surface
- silicone free treatment
- compatible with inks& coatings
- water-soluble
- effective at low concentrations
- improves the release of thermoformed packaging

APPLICATION:

FoodCare® Antifog SF05 is easy to apply on the surface, for example APET sheet with typical dilution of 1 part of the viscous concentrate SF05 and 5 parts of (demi)water. The concentration should be evaluated during the sheet & thermoform process. The coated surface is hydrophilic and gives you clear visibility.

TYPICAL PHYSICAL PROPERTIES:

Appearance	Transparent fluid
Odour	Non
Solubility	soluble in water at each concentration and other polar solvents (alcohol)