

MECOSTAT[®]-3

**Antifog and Antiblock Coating Agent
for Plastics**

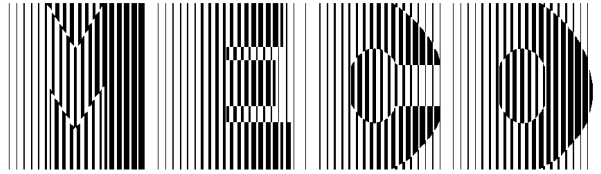
for Food Packing and Technical Applications

For oriented films (BOPET / BOPP)

MECOSTAT[®]-3/749

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General

MECOSTAT-3/749 surface coating agent is a concentrated, highly effective liquid coating material for the antifog and antiblock finishing of plastic surfaces as well as for improving slip properties.

Antifog agents prevent condensation on the surface of the plastics and bring clear visibility. The resistance of the coating to temperature ensures that subsequent thermoforming or stretching can be performed without losing the coating properties.

Areas of Application

Antifog and Antiblock finishing of

- oriented films (BOPP, BOPET etc.)
- transparent films for food packaging
- transparent films for packaging of farm products

Mode of Antifog Operation

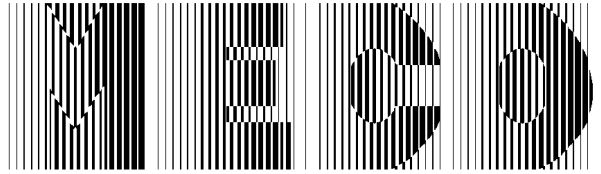
The Antifog performance hinges on two chemical capabilities: surface properties and hydrophilicity, (the compatibility of the molecules with water).

Water ordinarily condenses on a surface as tiny droplets, which refract light in such a way that the surface looks dulled and opaque. If the surface is treated with an antifog agent, you get a vastly different picture.

The antifog agent molecules are hydrophiles, so they dissolve in the water droplets. And as they do, they lower the surface tension of the droplets. Droplets spread on the surface and form a continuous film. This film refracts light the same way as a dry surface with the result of a clear transparency and pellucidness.refracts light the same way as a dry surface with the result of a clear visibility.

Typical Properties of coating with MECOSTAT-3/749

- long term antifog and antiblock properties for several years
- the slip properties of the plastic surfaces are improved by the coating
- strong adhesion of the product to the plastic surface resulting in high stability against physical effects such as friction etc.
- temperature resistant coating resulting in unproblematic stretching without impairing the coating properties
- excellent wetting properties on plastic surfaces
- highly transparent coating
- problem-free recycling of coated plastics



Safety

MECOSTAT-3/749 as well as the raw materials contained in it comply with the appropriate EC and FDA Directives on the finishing of plastics for food packaging.

Packaging

- canisters of 20 ltr,
- full pallet load: 480 ltr (24 canisters of 20 ltr)
- IBC of 640 ltr
- IBC of 1000 ltr

Service

We offer comprehensive technical advice with regard to both, to the right choice of the right type of material for application and to the coating systems.

Our application technology department is at your disposal for the conception of optimal application systems, as well as for preparing upgrade suggestions for installations already in use.

For detailed processing and safety information, please refer to the appropriate safety data sheet and processing directions.