

# Milliken® AF MaxView™ Solutions 10350

## Antifog for Hot Food Polypropylene Packaging

AF MaxView™ Solutions 10350 is a highly loaded pellet that is designed to be used machine side at a converter to deliver antifogging performance, mainly in hot fog applications for rigid and film polypropylene (PP) food packaging products.

Anti-fog additives are typically added in either masterbatch format or in liquid topical coatings via sprays or baths. Masterbatches can provide a simplicity to production as it is added as any other machine-side additive vs having sprayers or baths which can be messy and require machine downtime to clean. Masterbatch offerings are added during the extrusion process and over time the additives migrate to the surface of the sheet.

### Target Markets

#### Immediate Hot Fog Hot food “fill for sale” containers

A hot product is packaged for instant sale. Lid of the package must be cleared of fog within 30 seconds for transparent viewing by the cashier and improved order accuracy.



#### Continuous Hot Fog Hot lamp containers

These foods are kept in heated conditions. Often in a case with heat lamps at above 60°C to avoid providing conditions for bacteria growth. In these cases, a durable antifog is needed that can keep the lid clear for as long as 12 to 16 hours under these hot conditions.



### Applications

- Rotisserie Chicken Domes
- Take-Out Containers (hinged and two-piece)
- Heat Case Items (ribs, chicken, etc)
- Hot Soup Containers
- Face Shields

### Benefits

- Superior hot antifogging performance
- Advantaged cost-in-use
- Effective performance across various polypropylene

### Effective for use in

- Extrusion Thermoforming
- Rigid Packaging
- Film Packaging

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## Antifog for Hot Food Polypropylene Packaging



	Topical Coating		Conventional Anti-fog Masterbatch		Milliken AF MaxView® Solution	
	Performance	Comment	Performance	Comment	Performance	Comment
<b>Universal Processing</b>	☐	Equipment at high temperatures (Corona Treatment) cooks it off	●	Drops in like most other machine-side additives	●	Drops in like most other machine-side additives
<b>Cost-in-Use</b>	●	Liquids are typically low cost	☐	Cost can be low, but LDR can be higher	●	Cost in use is lower due to product being highly loaded
<b>Processing Complexity</b>	☐	Typically requires clean-up and down-time	●	Let down like colors and other additives	●	Let down like colors and other additives
<b>Universal Application</b>	●	Cold and hot fog	☐	Cold and hot fog. Some only fit for HPP and some for RCP	☐	Hot fog only. Works in HPP and RCP
<b>Long-Term Efficacy</b>	○	Wets out within hours	●	Wets out over period of days	●	Wets out over period of days
<b>Immediate Performance</b>	●	Typically effective within 10 seconds	☐	Typically effective in <30 seconds	●	Typically, effective in <30 seconds. Application feedback suggests this is superior to other masterbatches

**Product Sampling:** Currently we have sample stock of the material in US & Gent.

**Regulatory Overview:** This product is Generally Recognized as Safe (GRAS) and should be suitable for food contact applications.

**Storage and Handling:** Product is packaged in gaylords and needs to be stored below 50°C.

**Product Usage:** Typical use levels for AF MaxView 10350 range between 1.5-3%. Performance will vary based on polymer type, part geometry, part thickness, testing criteria, and other factors.

**Please contact your Milliken representative for further product information including chemical registrations, food contact status, and other regulatory details.**

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at [www.milliken.com/terms](http://www.milliken.com/terms) (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

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