



SONGXTEND® 1105

Stabilizer for  
chromium-type HDPE  
blow molding  
resins

SONGWON is a reliable expert in the stabilization of chromium-type high-density polyethylene (Cr-HDPE) blow-molding resins.

Thanks to their excellent physical and technical properties, SONGXTEND® stabilizer solutions are widely used by resin producers in numerous applications, including packaging for personal care and pharmaceutical products, household cleaners and detergents.

It's all about **the chemistry™**

 **SONGWON**

# Resin producers benefit from SONGWON's long-standing expertise in polyethylene stabilization

## Demanding requirements met



- Easy processing
- Broader processing window
- Improved initial color

## Technical expertise at hand



- Testing laboratory in South Korea
- Technically advanced, customized stabilizer formulations
- Dedicated local support centers

## Proven reliability



- More than 50 years' manufacturing experience in South Korea
- Backward integration of key raw materials
- Global sales organizations in Asia, Europe and North America

## Strong commitment



- Continuous innovation to meet new industry standards

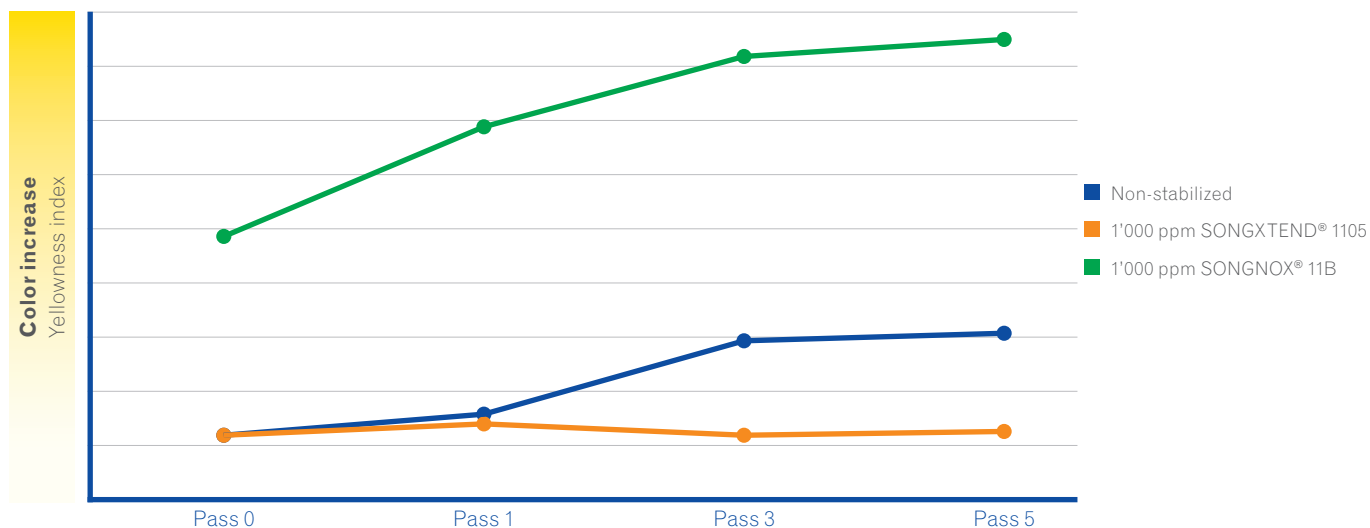
SONGXTEND® 1105 stabilizer covers a wide variety of requirements in Cr-HDPE blow-molding resin stabilization.

Numerous manufacturers around the world are now using Cr-HDPE blow molding resins, which are designed for applications requiring excellent stiffness and stress-crack resistance.

Some resin producers offering Cr-HDPE blow molding resins, however, have experienced color problems.

SONGXTEND® 1105, a new blend based on a phenolic antioxidant and a high-performance phosphite, addresses the need for color improvement. SONGXTEND® 1105 shows excellent hydrolytic stability compared to some other high performance phosphites used alone or in blends.

## Color development of Cr-HDPE during multiple-pass extrusion



## Color comparison (0 vs 5 passes)



## Storage conditions



SONGXTEND® stabilizers are supplied in powder (PW) and free flow (FF) form.

The material should be stored indoors, in closed containers, in a dry place at temperatures between 5 and 40°C.

Exposure to direct sunlight should be avoided.

## Shelf life



SONGXTEND® stabilizers are stable for 12 months, provided they are stored under the conditions described above.



For further information, please go to:

**[www.songwon.com](http://www.songwon.com)**

[techservice@songwon.com](mailto:techservice@songwon.com)

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