

SONGNOX® and SONGXTEND®  
Stabilization packages  
for PP fiber & thin wall  
injection molded  
grades

SONGWON is a leading specialist in the stabilization of polypropylene (PP) fiber and thin wall injection molding (TWIM).

Thanks to their excellent physical and technical properties, SONGNOX® and SONGXTEND® stabilizers are widely used by manufacturers to produce high-quality fibers and plastics.

It's all about **the chemistry™**

 **SONGWON**

# Fiber manufacturers benefit from SONGWON's long-standing expertise.

## Demanding requirements met



Good protection of molecular weight during melt conversion (processing stability)

Low peroxide interaction

Low initial color and low color development during melt conversion

Low gas fading

Easily adjustable long-term thermal stability (LTTS)

## Proven reliability



More than 50 years' manufacturing experience in South Korea

Backward integration of key raw materials

Global sales organization channels in Asia, Europe and North America

## Technical expertise at hand



Testing laboratory in South Korea

Technically advanced, customized stabilizer formulations

Dedicated local support centers

## Strong commitment



Continuous innovation to meet new industry standards

SONGNOX® and SONGXTEND® stabilizers are suitable for the production of high-quality polypropylene fibers & TWIM.

SONGNOX® 321B has better gas fading resistance than standard stabilizer package SONGNOX® 21B, which is not suitable for color-critical polypropylene fiber or thin wall injection molding (TWIM).

SONGXTEND® 1140 offers best in class initial color and color development for polypropylene continuous filament (CF), bulk continuous filament (BCF) and spunbond grades.

SONGXTEND® 1141 achieves state of the art stabilization of polypropylene continuous filament, bulk continuous filament, spunbond fibers and thin wall injection molded grades.

SONGXTEND® 1140 and SONGXTEND® 1141 provide a good balance between initially low interaction with peroxides in the controlled rheology step and subsequent high processing stability. UV stability can be adjusted through the addition of a hindered amine light stabilizer (HALS), e.g., SABO®STAB UV 119, without impacting other performance criteria.

# SONGNOX® and SONGXTEND® stabilizers recommended for polypropylene fiber and thin wall injection molded grades

	Processing stability	Peroxide interaction	Initial color	Color development	Gas fading	Improvement of LTTS	Easily adjustable LTTS & UV	Performance profile
<b>SONGNOX® 21B</b>	■		■			■		Emphasis on processing stability Not suitable for color critical applications
<b>SONGNOX® 321B</b>	■	■	■		■			Good balance between processing stability, peroxide interaction and gas fading Improved gas fading vs. SONGNOX® 21B
<b>SONGXTEND® 1141</b>	■	■	■	■	■	■	■	Excellent balance between processing, low peroxide interaction, low color & low gas fading properties Specifically for BCF, CF & spunbond applications
<b>SONGXTEND® 1140</b>	■	■	■	■	■		■	Similar performance profile to SONGXTEND® 1140 Excellent initial color Fully formulated system

- Recommended / Fully complies with criteria
- Suitable / Can be used

## Storage conditions

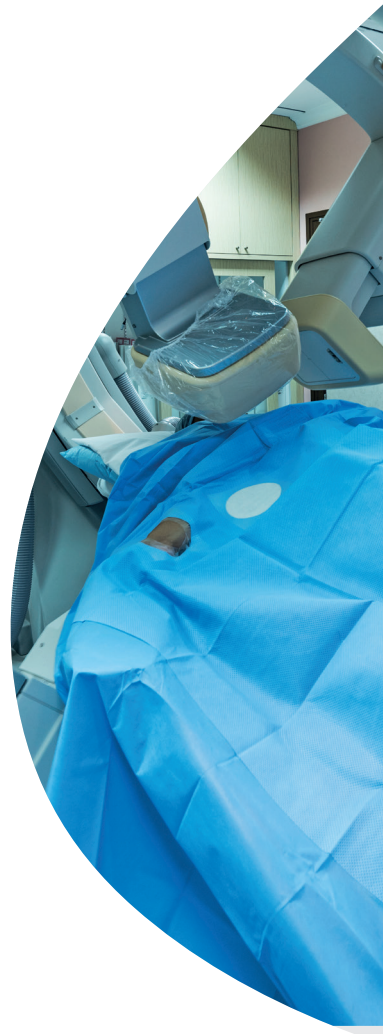


SONGNOX® 321B is supplied in powder (PW) or free flow (FF) form. SONGXTEND® 1140 and 1141 are available in granule (GR) form. The materials should be stored indoors, in closed containers, in a dry place at temperatures between 5 and 40°C. Exposure to direct sunlight should be avoided.

## Shelf life



SONGNOX® and SONGXTEND® products 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)**

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Please be aware that the use of the product in certain applications may be subject to patent protection in some countries.

Please consult your SONGWON representative for more information.