

SONGXTEND® 2151 & 2152  
Stabilizers for  
polypropylene-random  
copolymers (PP-R)  
water pipes

SONGWON is a leading specialist in  
the stabilization of PP-R pipes.

Thanks to their excellent physical and technical properties,  
SONGXTEND® stabilizer solutions are widely used by  
plastic pipe manufacturers in numerous applications such  
as plumbing and underfloor heating.

It's all about **the chemistry™**

 **SONGWON**

# Plastic pipe manufacturers benefit from SONGWON's long-standing expertise

## SONGXTEND® 2151 & SONGXTEND® 2152 in a nutshell



- Improved cost efficiency
- Enhanced processability
- Excellent product consistency
- High temperature resistance
- Minimal influence on taste & odor

## 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

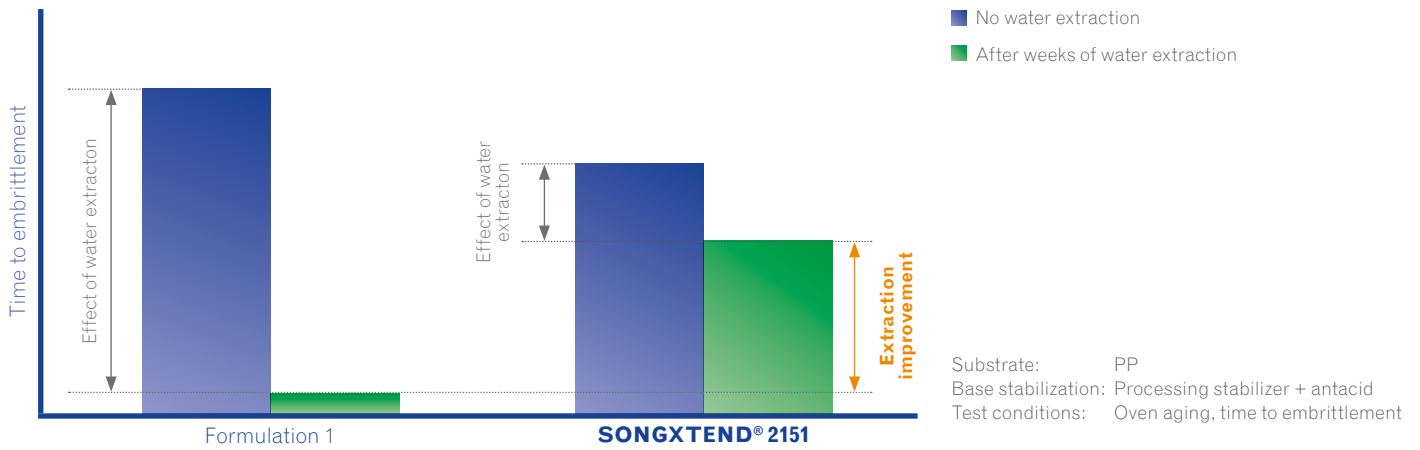
SONGXTEND® stabilizer solutions cover a wide variety of requirements in PP-R stabilization.

PP-R has been a material of choice for use in the production of plastic pipes for hot and cold water for more than 20 years. Long-term thermal stabilization (LTTS) was traditionally based on phenolic antioxidants and thioesters. The thioester was later dropped, as it had a negative effect on the taste and odor of the water.

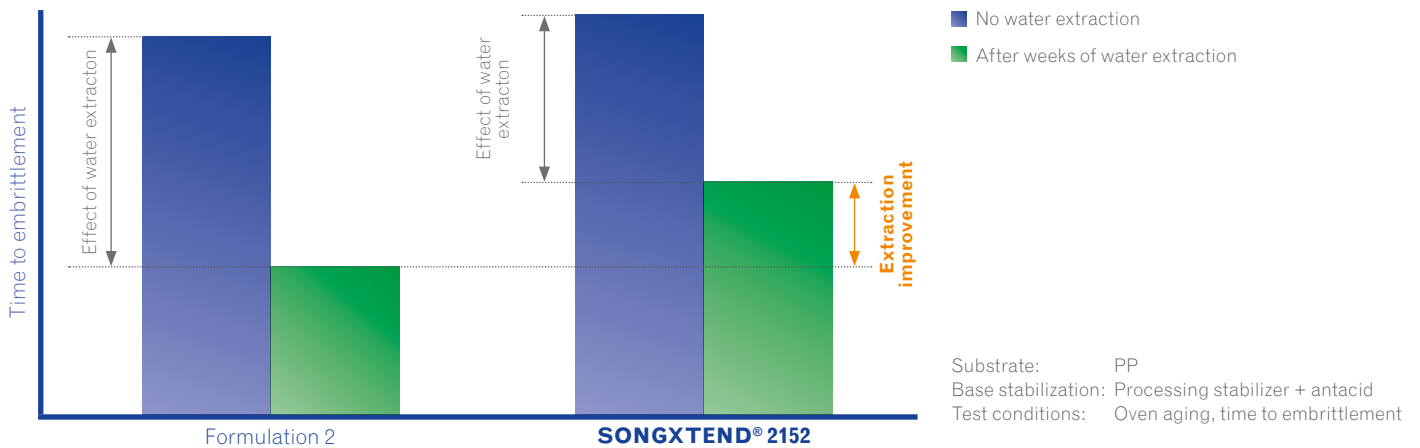
Nowadays, single phenolic antioxidants or combination thereof are the key components for LTTS.

The benefits of PP-R include light weight, fast and reliable weld jointing, and corrosion resistance. It is mainly used for heating, plumbing and domestic water pipes.

## Extended service life of PP achieved with SONGXTEND® 2151 in extractive applications



## Extended service life of PP achieved with SONGXTEND® 2152 in extractive applications



### Storage conditions



SONGXTEND® stabilizers are supplied in powder (PW) and granule (GR) 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.



Check out our  
official website



Check out our  
WeChat account

For further information, please go to:

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

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SONGWON provides customers with warranties and representations as to the chemical or technical specifications, compositions and/or the suitability for use for any particular purpose exclusively in individual written agreements.

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Version 1, September 2019