

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

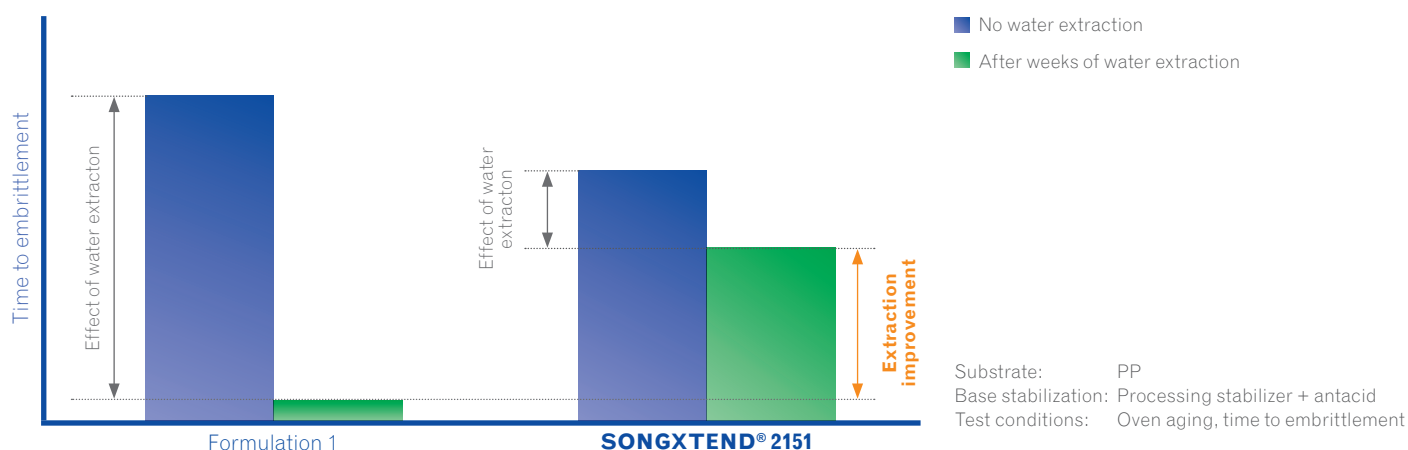
SONGXTEND® stabilizer solutions cover a wide variety of requirements in PP-R stabilization.

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.

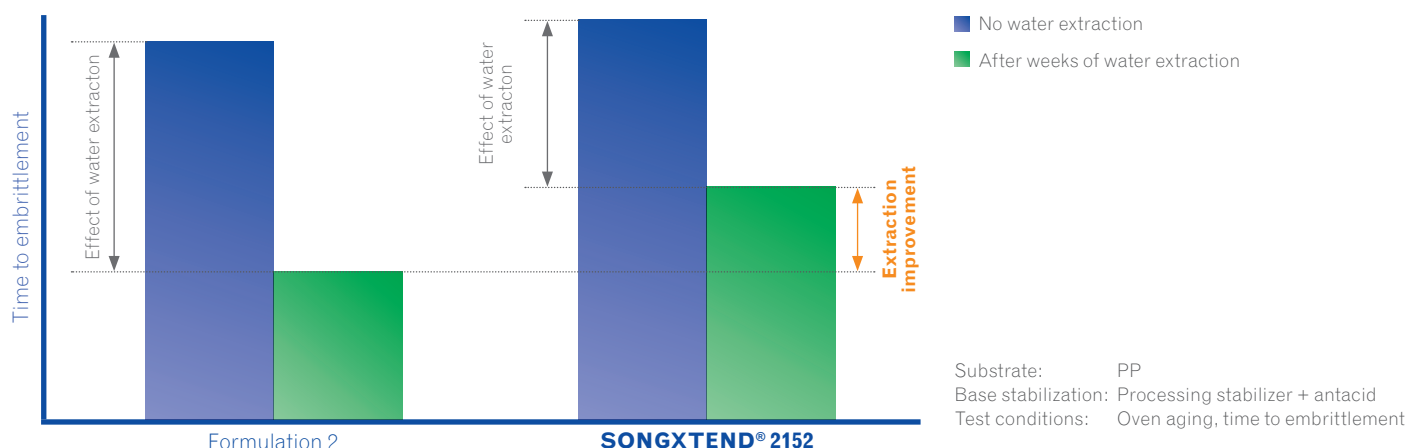
Nowadays, single phenolic antioxidants or combination thereof are the key components for LTTS.

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.



For further information, please go to:

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