



SONGSTAB™
Liquid mixed metal
stabilizers for flexible
suspension PVC

SONGWON is a leading specialist
in stabilizers for PVC.

Heat stabilizers are essential to ensure the resistance of suspension PVC flexible formulations during extrusion or calendering.

To meet today's EHS requirements and the demand for low odor stabilizer solutions for sensitive S-PVC flexible PVC applications, SONGWON has developed a range of high performance liquid Barium Zinc (Ba-Zn) stabilizers that are free from phenol and para-tert-butyl benzoic acid (p-TBBA).

It's all about **the chemistry**™



SONGWON

SONGWON – Extensive experience in stabilizers for the PVC industry

SONGSTAB™ BaZn stabilizers in a nutshell



Suitable for sensitive extrusion and calendering applications, e.g. flooring, packaging, films, advertising foils and hoses

Cutting edge quality

Comprehensive technical expertise



Dedicated PVC testing laboratory in South Korea

Development and supply of tailor-made PVC stabilizer solutions

Proven reliability



More than 50 years' manufacturing experience in South Korea

Global sales organizations and distribution channels in Asia, Europe, North America and Middle East

Strong commitment



Continuous innovation to meet new PVC industry standards

High emphasis on environmentally compatible solutions

❖ Development of phenol and p-TBBA free BaZn stabilizers for flexible suspension PVC and PVC plastisols

Performance of SONGSTAB™ BZ-L500 and SONGSTAB™ BZ-L501 in calendering and extrusion applications

- ❖ SONGSTAB™ BZ-L184: SONGWON general grade
- ❖ SONGSTAB™ BZ-L500: p-TBBA free & phenol free stabilizer
- ❖ SONGSTAB™ BZ-L501: p-TBBA free stabilizer

SONGSTAB™ BZ-L184 is a general-purpose BaZn stabilizer that is used as reference material and can be substituted by higher performance SONGSTAB™ BZ-L500 and SONGSTAB™ BZ L501, which confer outstanding heat stability to flexible S-PVC.

Other specific CaZn and BaZn are available on request to meet your requirements.

Transparent flexible S-PVC formulation

Formulation				Two roll mill condition	
PVC (P=1000)	DOP [phr]	ESBO [phr]	Stabilizer [phr]	Roll temp. (°C)	Mixing time (min)
100	20	3	3	185	3

Static heat stability

	Original	10 min	20 min	30 min	40 min	50 min	60 min	70 min
Competitor A								
Competitor B								
SONGSTAB™ BZ-L184								
SONGSTAB™ BZ-L500								
SONGSTAB™ BZ-L501								

Opaque flexible S-PVC formulation

Formulation					Two roll mill condition	
PVC (P=1000)	DOP [phr]	ESBO [phr]	TiO2(R) [phr]	Stabilizer [phr]	Roll temp. (°C)	Mixing time (min)
100	20	3	10	3	185	3

Dynamic heat stability (190 °C)

	Original	5 min	10 min	15 min	20 min	25 min	30 min	35 min
Competitor A								
Competitor B								
SONGSTAB™ BZ-L184								
SONGSTAB™ BZ-L500								
SONGSTAB™ BZ-L501								



For further information, please go to:

www.songwon.com

tpp@songwon.com

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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