



# PVC Additives

An extensive range to improve processability and characteristics of PVC products

The third most widely produced synthetic plastic polymer after polyethylene (PE) and polypropylene (PP), polyvinyl chloride (PVC) comes in two basic forms: rigid and flexible. PVC is used in construction applications such as pipes, doors and windows, as well as in the packaging, automotive, household and furniture, and medical sectors. Flexible PVC today often replaces rubber in plumbing, electrical cable insulation, artificial leather, advertisement and inflatable products.

In PVC, plasticizers improve the flexibility and durability of plastic end products. They also act as softeners, extenders and lubricants.

SONGWON offers a comprehensive range of PVC stabilizers and plasticizers. In our PVC application lab in Ulsan, Korea, we support customers with expert formulation and performance evaluations.

# Product range selection guide

Type		Floorings	Semi-rigid/flexible films	Artificial leathers	Wall papers	Plastisols	Flexible profiles	Wires and cables	Food contacts	Medical	Rigid films	Rigid plates	Pipes	Fittings	Window profiles	Automotive
<b>Solid Mixed Metal Stabilizers &amp; Calcium Organic Stabilizers</b>	SONGSTAB™ CZ-SC320						■	■								■
	SONGSTAB™ CZ-SC490						■	■								■
	SONGSTAB™ CZ-SC590						■	■								■
	SONGSTAB™ CZ-SC900						■	■								■
	SONGSTAB™ CZ-SC940						■	■								■
	SONGSTAB™ CZ-S39						■	■	■							■
	SONGSTAB™ CZ-S36	■					■									
	SONGSTAB™ CZ-S303	■					■									
	SONGSTAB™ CZ-S73	■	■				■									
	SONGSTAB™ CZ-S80	■	■				■									
CaZn	SONGSTAB™ CZ-SM20						■		■	■						
	SONGSTAB™ CZ-SM30						■		■	■						
	SONGSTAB™ CZ-SP180												■			
	SONGSTAB™ CZ-SP600												■			
	SONGSTAB™ CZ-SP610												■			
	SONGSTAB™ CZ-SP400												■			
	SONGSTAB™ CO-SP100												■			
	SONGSTAB™ CO-SP200												■			
	SONGSTAB™ CZ-SF300													■		
	SONGSTAB™ CZ-SF400													■		
Kicker	SONGSTAB™ CZ-SF600													■		
	SONGSTAB™ CZ-SS370											■				
	SONGSTAB™ CZ-SW921														■	
	SONGSTAB™ CZ-SW955														■	
	SONGSTAB™ CZ-SC59			■				■								■
	SONGSTAB™ CZ-SA20			■												■
	SONGSTAB™ KS-S81	■		■												

# Product range selection guide

Type		Floorings	Semi-rigid/flexible films	Artificial leathers	Wall papers	Plastisols	Flexible profiles	Wires and cables	Food contacts	Medical	Rigid films	Rigid plates	Pipes	Fittings	Window profiles	Automotive
<b>Liquid Mixed Metal Stabilizers</b>	SONGSTAB™ BC-L509		■				■									
	SONGSTAB™ BC-L528		■				■									
	SONGSTAB™ BC-L530		■				■									
	SONGSTAB™ BC-L540		■				■									
BaZn	SONGSTAB™ BZ-L116	■	■	■			■									
	SONGSTAB™ BZ-L155	■	■	■			■									
	SONGSTAB™ BZ-L201	■	■	■			■									
	SONGSTAB™ BZ-L219	■	■	■			■									
	SONGSTAB™ BZ-L228	■	■	■			■									
	SONGSTAB™ BZ-L300	■	■	■			■									■
	SONGSTAB™ BZ-L500	■	■	■			■									■
	SONGSTAB™ BZ-L501	■	■	■			■									■
	SONGSTAB™ BZ-LP608	■		■		■										
	SONGSTAB™ BZ-LP609	■		■		■										
	SONGSTAB™ BZ-LP700	■		■		■										■
	SONGSTAB™ BZ-LP701	■		■		■										■
	SONGSTAB™ KS-L806	■		■												
	SONGSTAB™ KP-L191	■		■	■	■										
	SONGSTAB™ KP-L900	■		■	■	■										
	SONGSTAB™ KP-L901	■		■	■	■										
CaZn	SONGSTAB™ CZ-LF420		■			■	■		■							
	SONGSTAB™ CZ-LP600	■	■	■	■	■										



# Product range selection guide

Type		Floorings	Semi-rigid/flexible films	Artificial leathers	Wall papers	Plastisols	Flexible profiles	Wires and cables	Food contacts	Medical	Rigid films	Rigid plates	Pipes	Fittings	Window profiles	Automotive
<b>Organo-Tin Stabilizers</b>	Methylltin	SONGSTAB™ MT-800							■	■	■		■	■		
		SONGSTAB™ MT-800D							■	■	■		■	■		
		SONGSTAB™ MT-830									■		■	■		
	Butylltin	SONGSTAB™ BT-107N									■		■	■		
		SONGSTAB™ BT-731									■		■	■		
		SONGSTAB™ TM-506									■		■	■		
		SONGSTAB™ TM-600P									■		■	■		
	Octylltin	SONGSTAB™ OT-713R							■	■	■		■	■		
		SONGSTAB™ TM-710M							■		■		■	■		
<b>Co-Stabilizers</b>	SONGSTAB™ SB-S20	■	■	■		■										■
	SONGSTAB™ SB-L102	■	■	■		■										■
	SONGSTAB™ AC-215P	■		■	■	■										■
	SONGSTAB™ Pi-311	■	■	■		■	■				■					
	SONGSTAB™ E-700	■	■	■	■	■	■	■	■	■						■
<b>Lubricants</b>	SONGSTAB™ BS								■		■					
	SONGSTAB™ SL-29		■						■		■					
	SONGSTAB™ SL-31 (FOR CPVC)												■	■		
	SONGSTAB™ SL-40								■		■					
	SONGSTAB™ SL-101								■		■					

# Product range selection guide




















## Plasticizers

	Hose pipes	Artificial leathers	Sheets	Electrical wires and cables	Gloves	Films	Wallpapers	Refrigerator sealing strips	Food packaging materials
SONGCIZER™ DOA	■	■	■					■	■
SONGCIZER™ TOTM	■			■					
SONGCIZER™ P-900	■		■	■	■	■		■	
SONGCIZER™ P-1500	■		■	■	■	■		■	
SONGCIZER™ P-2600	■		■	■	■	■		■	
SONGCIZER™ P-2600S	■		■	■	■	■		■	
SONGCIZER™ P-2700	■		■	■	■	■		■	
SONGCIZER™ P-2800	■		■	■	■	■		■	
SONGCIZER™ P-3000	■		■	■	■	■	■	■	

## Antioxidants and UV Absorbers

SONGNOX® 1010
SONGNOX® 1076
SONGSORB® 1000
SONGSORB® 2340
SONGSORB® 3260
SONGSORB® 8100
SABOSTAB® UV312

# Application Guide

Product name	Type	Product form	Dosage [Phr]	Characteristics								Remarks
				Initial color	Long-term stability	Transparency	Plate-out	Weatherability	Lubricity	Low odor		
Pipes (rigid)												
SONGSTAB™ CZ-SP180	CaZn	PW	3.0 ~ 4.0								General pipes	
SONGSTAB™ CZ-SP600	CaZn	PW	3.0 ~ 4.0								General pipes	
SONGSTAB™ CZ-SP610	CaZn	PW	3.0 ~ 4.0								General pipes	
SONGSTAB™ CZ-SP400	CaZn/Sn	PW	3.0 ~ 4.0								General pipes	
SONGSTAB™ CO-SP100	COS	PW	3.0~4.0								General pipes Calcium Organic based Stabilizer	
SONGSTAB™ CO-SP200	COS	PW	3.0~4.0								Core stabilizer for CPVC pipes Calcium Organic based Stabilizer	
Fittings (rigid)												
SONGSTAB™ CZ-SF300	CaZn	PW	2.5~3.5								General fittings	
SONGSTAB™ CZ-SF400	CaZn/Sn	PW	3.0~7.0								Fittings	
SONGSTAB™ CZ-SF600	CaZn/Sn	PW	3.0~7.0								Fittings	
Plates and Sheets (rigid)												
SONGSTAB™ CZ-SS370	CaZn	PW	3.0~4.0								Rigid foam plates and sheets	
Window Profiles (rigid)												
SONGSTAB™ CZ-SW921	CaZn	PW	3.0~5.0								Window profiles	
SONGSTAB™ CZ-SW955	CaZn	PW	3.0~5.0								Window profiles	

 Very good
  Good
  Satisfactory
  Poor
  Very poor

# Application Guide

Product name	Type	Product form	Dosage [Phr]	Characteristics							Remarks
				Initial color	Long-term stability	Transparency	Plate-out	Weatherability	Lubricity	Low odor	
Cables											
SONGSTAB™ CZ-SC320	CaZn	PW	3.0 ~ 6.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	70°C wires & cables
SONGSTAB™ CZ-SC490	CaZn	PW	3.0 ~ 6.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	90/105°C wires & cables
SONGSTAB™ CZ-SC590	CaZn	PW	3.0 ~ 6.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	90/105°C wires & cables
SONGSTAB™ CZ-SC900	CaZn	PW	8.0 ~ 15.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	105/125°C wires & cables
SONGSTAB™ CZ-SC940	CaZn	PW	8.0 ~ 15.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	105/125°C wires & cables & insulation tapes
SONGSTAB™ CZ-S39	CaZn	PW	3.0 ~ 6.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Transparent wires & cables General transparent extrusion



# Application Guide

Product name	Type	Product form	Dosage [Phr]	Characteristics							Remarks
				Initial color	Long-term stability	Transparency	Plate-out	Weatherability	Lubricity	Low odor	
Calendering & Extrusion (flexible - solid products)											
SONGSTAB™ CZ-S36	CaZn	PW	3.0 ~ 5.0								Flooring Highly filled PVC tiles
SONGSTAB™ CZ-S39	CaZn	PW	3.0 ~ 6.0								Transparent application
SONGSTAB™ CZ-S73	CaZn	PW	1.5 ~ 2.0								General purpose Transparent application
SONGSTAB™ CZ-S80	CaZn	PW	1.5 ~ 2.0								General purpose High transparency
SONGSTAB™ CZ-SM20	CaZn	PW	0.5 ~ 1.5								Medical application Synergetic effect with ESBO
SONGSTAB™ CZ-SM30	CaZn	PW	0.5 ~ 1.5								Medical application Synergetic effect with ESBO Good initial color
Calendering & Extrusion (flexible & semi rigid - liquid products)											
SONGSTAB™ BC-L509	BaCdZn	LQ	2.0 ~ 4.0								General purpose Transparent
SONGSTAB™ BC-L528	BaCdZn	LQ	2.0 ~ 4.0								General purpose Highly filled / pigmented
SONGSTAB™ BC-L530	BaCdZn	LQ	2.0 ~ 4.0								General purpose High long-term stability
SONGSTAB™ BC-L540	BaCdZn	LQ	2.0 ~ 4.0								General purpose High long-term stability
SONGSTAB™ BZ-L116	BaZn	LQ	2.0 ~ 4.0								Flexible/semi-rigid film & profile High long term stability
SONGSTAB™ BZ-L155	BaZn	LQ	2.0 ~ 4.0								Flexible/semi-rigid film & profile High transparent (glass clear)
SONGSTAB™ BZ-L201	BaZn	LQ	2.0 ~ 4.0								Flexible & profile Good price-performance Translucent or pigmented application
SONGSTAB™ BZ-L219	BaZn	LQ	2.0 ~ 4.0								Flexible film & profile Highly filled & pigmented
SONGSTAB™ BZ-L228	BaZn	LQ	2.0 ~ 4.0								General purpose

 Very good
  Good
  Satisfactory
  Poor
  Very poor



# Application Guide

Product name	Type	Product form	Dosage [Phr]	Characteristics							Remarks
				Initial color	Long-term stability	Transparency	Plate-out	Weatherability	Lubricity	Low odor	
SONGSTAB™ BZ-L300	BaZn	LQ	2.0 ~ 4.0	■	■	■	■	■	■	■	Flexible/semi-rigid film & profile Low VOCs
SONGSTAB™ BZ-L500	BaZn	LQ	2.0 ~ 4.0	■	■	■	■	■	■	■	Flexible/semi-rigid film & profile EU Reach compliance Low odor
SONGSTAB™ BZ-L501	BaZn	LQ	2.0 ~ 4.0	■	■	■	■	■	■	■	Flexible/semi-rigid film & profile EU Reach compliance
SONGSTAB™ KS-L806	Kicker	LQ	2.0 ~ 4.0	■			■		■	■	Calendering foam layer Flooring / artificial leather
SONGSTAB™ CZ-LF420	CaZn	LQ	1.0~1.5	■	■	■	■	■	■	■	Food-wrap film (FDA grade)

## Automotive Applications

SONGSTAB™ BZ-L300	BaZn	LQ	2.0~4.0	■	■	■	■	■	■	■	Calendering
SONGSTAB™ CZ-SC59	CaZn	PW	1.5~2.5	■	■	■	■	■	■	■	Artificial leather Semi-rigid & flexible calendering and extrusion
SONGSTAB™ CZ-SA20	CaZn	PW	3.0~4.0	■	■	■	■	■	■	■	Artificial leather (good long term heat properties at low temperature)
SONGSTAB™ SB-S20	Booster	PW	0.2~1.0	■		○	■	■		■	Artificial leather Semi-rigid & flexible calendering and extrusion
SONGSTAB™ SB-L102	Booster	LQ	0.2~1.0	■		○	■	■		■	Artificial leather (good long term heat properties)

## Flooring (flexible)

SONGSTAB™ CZ-S73	CaZn	PW	1.5 ~ 2.0	■	■	■	■	■	■	■	Top layer (transparent)
SONGSTAB™ CZ-S80	CaZn	PW	1.5 ~ 2.0	■	■	■	■	■	■	■	Top layer (transparent)
SONGSTAB™ KS-S81	CaZn	PW	2.0 ~ 3.0	■		■			■	■	Foam layer
SONGSTAB™ CZ-S303	CaZn	PW	3.0 ~ 5.0	○	■	—	■	■	■	■	SPC (stone-plastic composite)
SONGSTAB™ CZ-S36	CaZn	PW	3.0 ~ 5.0	■	■	—	■	■	■	■	SPC (stone-plastic composite, high performance)

■ Very good   
 ■ Good   
 ■ Satisfactory   
 ○ Poor   
 — Very poor

# Application Guide

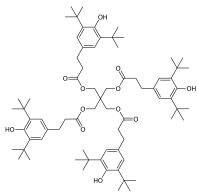
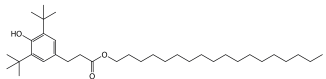
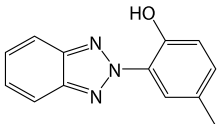
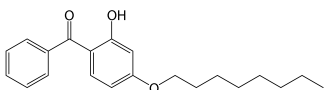
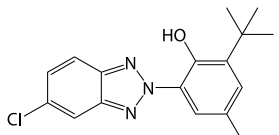
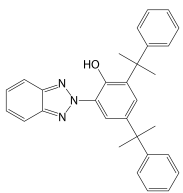
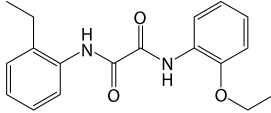
Product name	Type	Product form	Dosage [Phr]	Characteristics								Remarks
				Initial color	Long-term stability	Transparency	Plate-out	Weatherability	Lubricity	Low odor		
Plastisol												
SONGSTAB™ BZ-LP608	BaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>		<div></div>		<div></div>	General purpose	
SONGSTAB™ BZ-LP609	BaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>		<div></div>		<div></div>	High performance	
SONGSTAB™ BZ-LP700	BaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>		<div></div>		<div></div>	General purpose EU Reach compliance Low odor	
SONGSTAB™ BZ-LP701	BaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>		<div></div>		<div></div>	General purpose EU Reach compliance	
SONGSTAB™ CZ-LF420	CaZn	LQ	1.5 ~ 4.0	<div></div>	<div></div>	<div></div>		<div></div>		<div></div>	Food grade	
SONGSTAB™ CZ-LP600	CaZn	LQ	2.0 ~ 4.0	<div></div>	<div></div>	<div></div>		<div></div>		<div></div>	EU Reach compliance	
Kickers (plastisol)												
SONGSTAB™ KP-L191	KZn	LQ	2.0 ~ 4.0	<div></div>						<div></div>	Foam kicker	
SONGSTAB™ KP-L900	NaZn	LQ	2.0 ~ 4.0	<div></div>						<div></div>	Foam kicker	
SONGSTAB™ KP-L901	KZn	LQ	2.0 ~ 4.0	<div></div>						<div></div>	Fast kicker Good price-performance balance	
Tin Stabilizers												
SONGSTAB™ MT-800	Methyltin mercaptide	LQ	1.5 ~ 2.5	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	General purpose product	
SONGSTAB™ MT-800D	Methyltin mercaptide	LQ	1.5 ~ 2.5	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Better long-term heat stability	
SONGSTAB™ MT-830	Methyltin mercaptide	LQ	1.0 ~ 2.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Boosted product (high Sn content)	
SONGSTAB™ BT-107N	Butyltin mercaptide	LQ	2.0 ~ 3.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	General purpose	
SONGSTAB™ BT-731	Butyltin mercaptide	LQ	2.0 ~ 3.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	General purpose	
SONGSTAB™ TM-506	Butyltin carboxylate	LQ	2.5 ~ 3.5	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Good weatherability	
SONGSTAB™ TM-600P	Butyltin carboxylate	PW	1.0 ~ 2.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	C-PVC application Polymeric tin maleate Smoke suppressant for ABS	
SONGSTAB™ OT-713R	Octyltin mercaptide	LQ	2.5 ~ 3.5	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	General purpose	
SONGSTAB™ TM-710M	Octyltin carboxylate	LQ	1.0~2.0	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	Good weatherability	

# Application Guide

Product name	Type	Product form	Dosage [Phr]	Characteristics							Remarks
				Initial color	Long-term stability	Transparency	Plate-out	Weatherability	Lubricity	Low odor	
Co-Stabilizers											
SONGSTAB™ SB-L102		Booster	LQ	0.2 ~ 1.0	Long-term heat stability at low temperature Amine gas resistance Artificial leather Semi-rigid & flexible calendering and extrusion						
SONGSTAB™ SB-S20		Booster	PW	0.2 ~ 1.0	Long-term heat stability at low temperature Amine gas resistance Artificial leather (good long-term heat properties)						
SONGSTAB™ AC-215P		Acrylic	LQ	0.5 ~ 2.0	Cell controller, combination with foam kickers Plastisol (flooring, artificial leather, wall covering)						
SONGSTAB™ Pi-311		Phosphite	LQ	0.3 ~ 1.0	Flexible, semi-rigid calendering and extrusion Plastisol						
SONGSTAB™ E-700		ESBO	LQ	0.0 ~ 5.0	Flexible, semi-rigid calendering and extrusion Plastisol						
Lubricants											
SONGSTAB™ BS		Butyl stearate	LQ	0.5 ~ 1.5	Internal lubricant Calendering and extrusion						
SONGSTAB™ SL-29		Lubricants complex	PW	0.3 ~ 1.5	External lubricant complex Good transparency Rigid calendering						
SONGSTAB™ SL-31		Lubricants complex	PW	2.5 ~ 3.5	External lubricants complex for C-PVC pipes						
SONGSTAB™ SL-40		Lubricants complex	PW	0.3 ~ 1.5	External lubricant complex Rigid extrusion						
SONGSTAB™ SL-101		Lubricant complex	PW	0.3 ~ 1.5	Internal lubricant complex Rigid calendering and extrusion						

■ Very good   
 ■ Good   
 ■ Satisfactory   
 ○ Poor   
 ■ Very poor

# Antioxidants and UV Absorbers

		Molecular weight	Melting range (°C)	Solubility (g/100 g solvent at 25°C)	TGA (°C, % mass loss)
<b>SONGNOX® 1010</b> Tetrakis[methylene-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate] methane CAS NO. 6683-19-8 PW, FF, DF		1178	110.0 ~ 125.0	Squalane < 0.05 n-Hexane < 0.1 Acetone < 50.0 Ethanol < 0.1 Toluene 48.0 Xylene 24.2 Ethyl acetate > 50.0	353 5% 370 10% 425 50%
<b>SONGNOX® 1076</b> Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate CAS NO. 2082-79-3 CP, SB, LQ		531	50.0 ~ 55.0	Squalane 0.5 n-Hexane > 50.0 Acetone > 50.0 Ethanol < 0.1 Toluene > 50.0 Xylene > 50.0 Ethyl acetate > 50.0	330 5% 347 10% 387 50%
<b>SONGSORB® 1000</b> 2-(2'-hydroxy-5'-methylphenyl) benzotriazole CAS NO. 2440-22-4 PW		225	128.0 ~ 132.0	Squalane < 0.05 n-Hexane < 0.1 Acetone 3.0 Ethanol < 0.1 Toluene 7.1 Xylene 6.1 Ethyl acetate 5.1	225 5% 242 10% 289 50%
<b>SONGSORB® 8100</b> 2-hydroxy-4-n-octoxybenzophenone CAS NO. 1843-05-6 PW		326	> 47.0	Squalane 0.3 n-Hexane 18.0 Acetone > 50.0 Ethanol 1.0 Toluene > 50.0 Xylene > 50.0 Ethyl acetate > 50.0	280 5% 297 10% 344 50%
<b>SONGSORB® 3260</b> 2-(2'-hydroxy-3'-tert-butyl-5'-methylphenyl)-5-chlorobenzotriazole CAS NO. 3896-11-5 PW		316	138.0 ~ 141.0	Squalane 0.7 n-Hexane 1.5 Acetone 1.5 Ethanol 0.1 Toluene 10.4 Xylene 11.8 Ethyl acetate 3.2	217 5% 232 10% 287 50%
<b>SONGSORB® 2340</b> 2-[2-hydroxy-3,5-di(1,1-dimethylbenzyl) phenyl]-2H-benzotriazole CAS NO. 70321-86-7 PW, FF		448	137.0 ~ 141.0	Squalane < 0.05 n-Hexane < 0.1 Acetone 2.5 Ethanol < 0.1 Toluene 18.1 Xylene 13.1 Ethyl acetate 5.1	337 5% 357 10% 409 50%
<b>SABOSTAB® UV 312</b> N-(2-ethoxyphenyl)-N'-(2-ethylphenyl)-oxamide CAS NO. 23949-66-8 PW		312	124.0 ~ 128.0	Squalane < 0.05 n-Hexane < 0.1 Acetone 4.0 Ethanol < 0.1 Toluene 7.3 Xylene 5.2 Ethyl acetate 5.0	266 5% 286 10% 333 50%

# Plasticizers

	Color (APHA)	Acid value (mgKOH/g)	Heat loss (125°C 3hours)	Volume resis- tivity (30°C)	Refractive index (25°C)	Viscosity (c p s/25°C)	Features
<b>SONGCIZER™ DOA</b> Di(2-ethylhexyl) adipate CAS NO. 103-23-1 LQ	< 50	< 0.1	< 0.1	$> 1 \times 10^{11}$	1444 ~ 1450	—	Resistant to cold temperatures Good compatibility Phthalate free
<b>SONGCIZER™ TOTM</b> Tri-2-ethylhexyltrimellitate CAS NO. 3319-31-1 VL	< 120	< 0.2	< 0.1	$> 5 \times 10^{11}$	1481 ~ 1487	—	Heat resistant Low volatility Migration resistance
<b>SONGCIZER™ P-900</b> Poly di(2-ethyl hexyl) 1,4- cyclohexanedimethanol adipate CAS NO. 1574656-80-6 VL	< 500	< 3.0	< 0.1	—	—	500 ~ 1500	No phthalate Medium viscosity Migration resistant
<b>SONGCIZER™ P-1500</b> Polydi(2-ethylhexyl) glycoladipate CAS NO. 3319-31-1 VL	< 300	< 1.0	< 0.5	—	1454 ~ 1460	100 ~ 200	No phthalate Low viscosity
<b>SONGCIZER™ P-2600</b> Polydi(2-ethylhexyl) glycoladipate CAS NO. 73018-26-5 VL	< 300	< 2.0	< 0.5	—	1462 ~ 1468	2700 ~ 3500	No phthalate Medium viscosity
<b>SONGCIZER™ P-2600S</b> Poly di (2-ethyl hexyl) 1,4 cyclohexanedimethanol adipate CAS NO. 1574656-80-6 VL	< 500	< 3.0	< 0.1	—	—	500 ~ 1500	No phthalate Medium viscosity
<b>SONGCIZER™ P-2700</b> Polydi(2-ethylhexyl) glycoladipate CAS NO. 73018-26-5 VL	< 300	< 2.0	< 0.5	—	1466 ~ 1467	4000 ~ 6000	No phthalate High viscosity Migration resistant
<b>SONGCIZER™ P-2800S</b> Poly di (Iso-nonyl) glycoladipate CAS NO. 1404200-65-2 VL	< 400	< 2.0	< 0.5	—	1466 ~ 1467	3000 ~ 6500	No phthalate High viscosity Odorless
<b>SONGCIZER™ P-3000</b> Polydi(2-ethylhexyl) glycoladipate CAS NO. 63149-79-1 VL	< 300	< 2.0	< 0.5	—	1462 ~ 1468	2000 ~ 3200	No phthalate Medium viscosity Migration resistant

# Standard Packaging

- **PVC Stabilizers, Liquids:** Steel Drum  
IBC
- **PVC Stabilizers, Solids:** Paper Bag  
Big Bag
- **Organo-tin Stabilizers:** Steel Drum  
IBC
- **Plasticizers, Liquids:** Steel Drum  
IBC  
ISO Tank

## Key to Abbreviations of Physical Forms

- **PW:** Powder
- **SB:** Semi Bead
- **SL:** Solid
- **FF:** Free Flow
- **DW:** Dispersion
- **MB:** Micro Beads
- **FC:** Fusion Crystal
- **LQ:** Liquid or Molten
- **BD:** Beads
- **DF:** Dust Free Flow
- **CP:** Crystalline Powder
- **PS:** Pastilles
- **GR:** Granule
- **FG:** Fine Grind
- **VL:** Viscous Liquid

## Transport and Storage

As a general guideline, we recommend storing the products mentioned in this brochure in their original sealed containers in a cold and dry place. For more detailed information on a specific product, please refer to the corresponding **Technical Data Sheet**.

By law, a number of chemical products must be labeled in respect of transport, storage and handling. Thus corresponding care is a prerequisite for their appropriate handling. Furthermore, local legal regulations may apply.

Detailed information is given in the respective **Safety Data Sheets**.





# About SONGWON Industrial Group

SONGWON, which was founded in 1965 and is headquartered in Ulsan, South Korea, is a leader in the development, production and supply of specialty chemicals.

The second largest manufacturer of polymer stabilizers worldwide, SONGWON operates group companies all over the world, offering the combined benefits of a global framework and readily accessible local organizations.

Dedicated experts work closely together with customers to develop tailor-made solutions that meet individual requirements.

For further information, please go to:  
**[www.songwon.com](http://www.songwon.com)**





For further information, please go to:

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[tinpvc@songwon.com](mailto:tinpvc@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.

The facts and figures contained herein have been carefully compiled to the best of SONGWON's knowledge but are essentially intended for informational purposes only.

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