

Westlake Akishima Co., Ltd. was established in 1946 in Japan. With over 75 years' experience developing and producing state-of-the-art stabilizers for the PVC industry, our stabilizers are acknowledged as best-in-class for Food Wrapping, Transparent Films for the Building & Construction Industry and Automotive Interior Soft Trim.

PVC STABILIZERS

- Ba/Zn : Liquid and Powder
- Ca/Zn : Liquid and Powder
- Sn/Mercapto : Liquid
- Sn/Maleate : Liquid
- Sn/Carboxylate : Liquid
- COS (Calcium Organic Systems)
- Other Co-Stabilizers



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STABILIZERS

PVC STABILIZERS

TYPICAL APPLICATION / MARKET	NAKAN CODE	END PRODUCT (Flexible, Semi-Flexible, Rigid, Paste)	PROCESS					PROPERTIES & FEATURES
			CALENDERING	EXTRUSION	COATING	DIPPING	INJECTION	

Ba/Zn (Liquid)

Film & Sheets	LT 700W	F / S	X					Excellent thermal stability, printability and prevention of die buildup.
Film & Sheets	LT 702H	F / S	X					2K type stabilizer with excellent thermal stability, should be used together with LT 70S.
Foamed leather	LT 900D	F / S	X					Superior surface smoothness and improved foaming performance (homogeneity of cells).
Film & Sheets	LT 704K	F / S		X				Superior thermal stability and prevents discoloration over time.
Film & Sheets	LT 704N	F / S		X				Compliant with Japanese PRTR. Excellent thermal stability, prevents discoloration over time.
Non-foam wallpaper, Tents and Canvas	LT 810A	P			X			High thermal stability, excellent weatherability, stable plastisol viscosity and color stabilization. Suitable for outdoor products when used in combination with UV Absorber.
Foamed Wallpaper	LT 804B	P			X			Excellent plastisol viscosity stability and discoloration prevention. Improved foaming performance.
Floor	LT 810B	P			X			High transparency, excellent water-whitening resistance, stable plastisol, prevents discoloration over time
Automotive Leather & Interior Trim	LT 704J	F / S	X					Improve VOC and fogging, lower odor emission.

Ba/Zn (Powder)

Film & Sheets	LT 70S	F / S	X					2K type stabilizer with excellent thermal stability, should be used together with LT 702H.
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Ca/Zn (Liquid)

Food Wrap - Consumer	FD-4B	F / S		X				Compliant with JHPA and FDA.
Food Wrap - Professional	FD-30B	F / S		X				Compliant with JHPA and FDA.

Here are only our standard products, we are able to offer more than 350 different kinds of stabilizers, in either liquid or solid form, for various applications and use of PVC, both for rigid and flexible products.

TYPICAL APPLICATION / MARKET	NAKAN CODE	END PRODUCT (Flexible, Semi-Flexible, Rigid, Paste)	PROCESS					PROPERTIES & FEATURES
			CALENDERING	EXTRUSION	COATING	DIPPING	INJECTION	

Ca/Zn (Powder)

Cables	LT 30J	F / S		X				Excellent discoloration prevention, thermal stability and high heat-aging resistance.
Window Frames	FD-300	R		X				Improved processing-ability, thermal stability, superior weatherability.

Ca/Zn/ Mg (Liquid)

Gloves and leather	LT 850D	P					X	High stability of plastisol viscosity, excellent discoloration prevention and thermal stability.
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Dibutyl Tin Mercaptan (Liquid)

Film & Sheets	TS 300	F / S / R	X	X			X	Excellent discoloration prevention and thermal stability.
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Diocetyl Tin Mercaptan (Liquid)

Film & Sheets	OME-100	F / S / R	X	X			X	Excellent discoloration prevention and thermal stability.
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Dibutyl Tin Maleate (Liquid)

Film & Sheets	TS 209X	F / S / R	X	X		X	X	Excellent thermal stability and weatherability.
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Dibutyl Tin Carboxylate (Liquid)

Film & Sheets	TS 101	F / S / R	X	X		X	X	Excellent thermal stability, high transparency, weatherability and improved processing.
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Diocetyl Tin Carboxylate (Liquid)

Film & Sheets	FD-50	F / S / R	X	X		X	X	Compliant with JHPA, high transparency, excellent thermal stability and improved processing.
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CO-STABILIZERS

FUNCTION	TYPICAL APPLICATION / MARKET	NAKAN CODE	TYPE	END PRODUCT (Flexible, Semi-Flexible, Rigid, Paste)	PROCESS			PROPERTIES & FEATURES
					CALENDERING	EXTRUSION	COATING	

Powder

Co-heat stabilizer	Sheet, film and others	TS 881A	Hydrotalcite	F / S / R	X	X		Excellent thermal stability.
Initial discoloration inhibitor	Sheet, film and others	TE-83	β-Diketone	F / S / R	X	X		Discoloration prevention.
Initial discoloration inhibitor	Sheet, film and others	RH-50	β-Diketone	F / S / R	X	X		Discoloration prevention, FDA approved.
UV absorber	Sheet, film and others	MAF-23A	Benzophenone	F / S / R	X	X		Improved weatherability.
UV absorber	Sheet, film and others	MAF-613A	Benzophenone	F / S / R	X	X		Improved weatherability.
Impact resistance additive	Window frame	D-320	Acrylic	R		X		Improved thermal stability, weatherability and impact resistance.

Liquid

Multi-function	Sheet, film, foamed wallpaper and others	MP-100	Perchlorate	F / S / R / P	X	X	X	Prevention of: Amine Contamination, discoloration and foam-cells puncture. Improved resilience, antistatic properties and accelerator of foaming reaction. Spotless appearance of final product.
Die build up prevention	Sheet, film and others	TE-12	Phosphorus	F / S / R	X			Die build up prevention and improved process-ability.
Foamed cells regulator	Foamed wallpaper	F-300K	Acrylic	F / S / R			X	Foam homogenization and strength of cells.
Co-heat stabilizer	Film	LT1000K	Phosphite	F / S / R	X	X		Improved thermal stability, weatherability and prevention of discoloration.
Co-heat stabilizer	Film	LT1000H	Phosphite	F / S / R	X	X		Improved thermal stability, weatherability and prevention of discoloration.