

将时代责任为己任
以目光高远而先承
担

将时代责任为己任
以目光高远而先承
担

上海赛壮化工科技有限公司
Shanghai Saizhuang Chemical Technology Co., Ltd

地址：上海漕河泾开发区 电话：021-5917 7529

传真：021-5917 7529

邮箱：wanghx@saizhuangsh.com



上海赛壮化工科技有限公司
Shanghai Saizhuang Chemical Technology Co., Ltd

“ 公司概况 Company Profile

上海赛壮化工科技有限公司是专业从事研发、生产和销售塑料助剂的技术企业。我公司拥有一支完善的科研队伍：多年潜心环保行业发展的资深指导专家，能力卓著的高等专业人才，包装产品的一流生产水平，为公司的高端生产路线保驾护航。公司的主要产品包括PVC环保稳定剂、PVC加工助剂ACR树脂系列，PVC内外润滑剂等产品。产品符合欧盟ROSH法规和Reach、重金属。

上海赛壮化工科技有限公司“将时代责任为己任，以目光高远而先承担”，公司愿与每一位环保志士携手合作，聚拢草而成春，聚滴水而成大海，高扬生态环保建设大旗，共同营造我们多彩而健康的绿色生活。

Shanghai Sai zhuang Chemical Technology Co., Ltd. is a manufacture concentrated on plastic additives' R&D, production and sales. We have our own perfect scientific research team, which made up of senior experts in environmental protection industry, professional genius with outstanding capability, including first-class level of production and packaging. Our company's high-end production line is highly equipped. Saizhuang's main products include PVC Environmental Stabilizer PVC processing aid of ACR resin series, PVC internal and external lubricants, etc. All products comply with RoHS and REACH heavy metal standard.

Shanghai Saizhuang Chemical Technology limited "will be the responsibility of the times as its mission, to set the sights high and under take", the company is willing to cooperate with every environmental ideal s, gather grass and into the spring, gather drops of water into the sea, raising the flag of ecological construction and environment al protection and build our colorfu land healthy green life.

“ 主营产品 Main products

1. PVC环保钙锌稳定剂

PVC Environmental Protection Calcium Zinc Stabilizer

2. PVC加工助剂ACR

ACR, PVC Processing Aid

3. 聚乙烯蜡

Polyethylene Wax

4. PVC加工内润滑剂

PVC Processing Lubricant

5. PVC发泡调节剂

PVC Foaming Regulator

6. 炭黑

Carbon black

7. 特种润滑剂

Special Lubricants

8. 巴斯夫蜡粉

BASF WAX Luwax OA

PVC石塑用环保稳

◆◆◆ 产品简介

PVC环保稳定剂是Ca-Zn系有机综合体，采用全新的工艺和配方集热稳定剂，光稳定剂、抗氧化剂、内外润滑剂为一体。它与PVC树脂有很好的相容性和分散性，加工初期着色小，流动性好且用量小，具有优异的耐热，耐光和耐候性。

◆◆◆ 产品特性

符合欧盟RoSH、REACH-SVHC、PAHS、EN等指令要求。
 含有多种加工助剂，可降低挤出扭矩，增加熔融速度和溶体强度，使制品表面光滑。
 抗氧化，抗老化及耐候性优良，生产白色及浅颜色制品，可长期不变色。
 电气绝缘性佳，耐臭氧、水油等，加工性能良好，不易析出和喷霜。
 具有良好的初期着色，长效的静动态热稳定性。

◆◆◆ 产品用途

本产品适用于石塑板材等PVC硬制品。

品名/规格	SZ701系列
外观	纯白或淡黄色粉末
环保性能	Cd<2ppm, Pb<30ppm, Hg<2ppm, Cr6+<2ppm, Br<2ppm
初期耐热	与标准品对比无明显色差
长期耐热（分钟）	30±3
挥发份（105℃×2H）	≤2%
析出实验	100℃蒸馏水 4h 无明显白色析出

◆◆◆ 包装和贮运

产品为外用编织袋，内包装用塑料袋，双层包装，每袋25KG。本品为无毒、无腐蚀性粉末，属非危险品，运输按非危险品操作，应防止暴晒、雨淋。本品贮存于阴凉通风处，防止阳光直射，保质期为12个月，超过保质期后经检验合格，仍可继续使用。

PVC Environmental Stabilizer for SP C

◆◆◆ Product Introduction

PVC environmental stabilizer is CA Zn organic complex, by using new technology and recipe, matched up with non-toxic calcium zinc soap, integrated with heat stabilizers, light stabilizers, antioxidants, internal and external lubricants as a whole. It is with PVC resin that it has good compatibility and dispersibility. The initial coloring effect is light, the liquidity is good with a small amount. Besides, it's good in resist influence from heat, light and weather.

◆◆◆ Product Features

Comply with EU RoHS REACH-SVHC、PAHS、EN requirements, our products contain a variety of processing aids with which the extrusion torque can be reduced while the melting rate and melt strength can be reinforced to make products smooth surface.

Antioxidation, anti-aging and weather resistance, long-term does not color changing for white and light colored products.

Electrical insulation, good resistance to ozone, water, oil, good processing performance, no precipitation and blooming.

Good initial coloring, long-term static and dynamic thermal stability.

◆◆◆ Product Application

This product is suitable for a variety of PVC products fabrication, white and light-colored injection molding, extrusion, pipe, profiles, sheet metal, light-colored and colored rolled products, as well as a variety of material temperature wire and cable materials.

Product name / specification	SZ701 series
Appearance	Pure white to light yellow powder
Environmental performance	Cd<2ppm, Pb<30ppm, Hg<2ppm, Cr6+<2ppm, Br<2ppm
Initial heat resistance	There is no obvious color difference compared with the standard
Long term heat resistance (min)	30±3
Volatile (105℃×2H)	≤2%
Precipitation experiment	There was no obvious white precipitate in distilled water at 100℃ for 4H

◆◆◆ Packaging & storage & transportation

This product is double packaged, with Plastic woven bag for outer packaging, and plastic bag for inner use, 25 kg per bag. PVC Processing Aid of ACR is non-toxic, non-corrosive solid debris, and harmless, so it could be transported as non-dangerous goods. Please store it in cool, ventilated places, also do remember prevent it from sun, rain, as well as direct sunlight. The storage expiration is of 12 months, but you can continue to use it, if it's qualified after inspection when it's over limit date.

PVC 木塑发泡用环保热稳定剂

◆◆◆ 产品名称：环保型 PVC 钙锌复合热稳定剂

◆◆◆ 产品编码：SZ-702系

◆◆◆ 列 产品特性：

1. 环保，复合 ROHS、REACH-SVHC、PAHS、NO-18P、EN 等国际最新环保标准
2. 初期颜色稳定性、耐候性优良
3. 抗析性好，提高制品的色泽鲜艳度和牢固度，改善制品外观
4. 可有效增强木塑产品的抗裂增韧性能，使木塑制品尺寸稳定性好，以及可有效促进发泡，使发泡均匀细密，同时赋予制品表面清晰的纹理以及优良的光泽度

◆◆◆ 产品用途：

1. 适用于片材，粒料，板材，异型材等系列 PVC 发泡制品。
2. 适用于木塑墙板，地板等系列产品。

Environment-friendly heat stabilizer for PVC wood plastic foaming

◆◆◆ Product Name: Environmental-friendly PVC calcium-zinc complex heat stabilizer

◆◆◆ Product Code: SZ-702 series

◆◆◆ Product Features:

1. Environmental protection. Combined with the latest international environmental protection standards such as ROHS, REACH-SVHC, PAHS, NO-18P, EN, etc.
2. Excellent initial color stability and good weather fastness
3. Good precipitation resistance. It can improve the color brightness and the firmness of the manufactures, and make the appearance of the manufactures better
4. It can effectively enhance the crack resistance and toughness of wood-plastic products, make wood-plastic products good in dimensional stability, and can effectively promote foaming, make foaming uniform and dense, and make the surface of the products show a clear texture and excellent gloss.

◆◆◆ Product Usage:

1. Applicable to sheet material, granular material, sheet material, profile and other series of PVC foamed products
2. Applicable to series products such as wood-plastic wall board and floor.

PVC 软质电线电缆通用型环保热稳定剂

◆◆◆ 产品名称：环保型 PVC 钙锌复合热稳定剂

◆◆◆ 产品编码：SZ-035 系列

◆◆◆ 产品特性：

1. 环保，复合 ROHS、REACH-SVHC、PAHS、NO-18P、EN 等国际最新环保标准
2. 极佳之耐热性，能有效减免 PVC 受热老化，极易加工。
3. 用于白色或浅色制品后期耐侯耐黄变性优良、用于深色黑色抗析出性能优良
4. 制品表面光洁度好，电气绝缘性佳，耐水油；抗吸水性强，有利于二次加工，无气味
5. 适用于通用 J70-90，H70-90，UL70-105、VDE 等安规和非标电线电缆

◆◆◆ 产品用途：环保 PVC 粒料，电线护套、电源线料、电子线料、插头料。

Universal environment-friendly heat stabilizer for PVC soft wire and cable

◆◆◆ Product name: Environmental protection type PVC calcium zinc compound heat stabilizer

◆◆◆ Product code: SZ-035 series

◆◆◆ Product Features:

1. Environmental protection, compound ROHS, REACH-SVHC, PAHS, NO-18P, EN and other international latest environmental standards
2. Excellent heat resistance, can effectively reduce PVC aging by heat, easy to process.
3. It is used for white or light colored products with good resistance to marquis and yellowing and good resistance to precipitation in dark black
4. Good surface finish, good electrical insulation, water and oil resistance; Strong resistance to water absorption, conducive to secondary processing, odorless
5. Applicable to general J70-90, H70-90, UL70-105, VDE and other safety regulations and non-standard wire and cable

◆◆◆ How to use:

Environment-friendly PVC granulated material, wire sheath, power cord material, electronic wire material, plug material.

PVC 透明环保钙锌稳定剂

◆◆◆ 产品名称：环保型 PVC 钙锌复合热稳定剂

◆◆◆ 产品编码：SZ-500 系列

◆◆◆ 产品特性：

1. 环保，复合 ROHS、REACH-SVHC、PAHS、NO-18P、EN 等国际最新环保标准
2. 高透明性，且制品不产生雾状
3. 抗水解性能好，无气味
4. 初期着色极佳；长期耐候性能优越
5. 耐热性能优，热稳定效率高，添加量少

◆◆◆ 产品用途：环保透明 PVC 粒料，薄膜、塑胶玩具、医疗管、管材用 PVC 软制品及环保硬质透明 PVC 制品。

PVC transparent environmental protection calcium zinc stabilizer

◆◆◆ Product name: environmental protection type PVC calcium zinc compound heat stabilizer

◆◆◆ Product code: SZ-500 series

◆◆◆ Product Features:

1. Environmental protection, compound ROHS, REACH-SVHC, PAHS, NO-18P, EN and other international latest environmental standards
2. High transparency, and products do not produce fog
3. Good resistance to hydrolysis, odorless
4. Excellent initial coloring; Long-term weather resistance can be superior
5. Excellent heat resistance, high thermal stability efficiency, less addition Usage.

◆◆◆ How to use:

Environment-friendly transparent PVC granule, film, plastic toys, medical pipes, PVC soft products for pipe materials and environment-friendly hard transparent PVC products.

PVC 软质通用型环保热稳定剂

◆◆◆ 产品名称：环保型 PVC 钙锌复合热稳定剂

◆◆◆ 产品编码：SZ-031 系列

◆◆◆ 主要成份：Ca-Zn 系有机综合体。采用高级脂肪酸钙与高级脂肪酸锌为基础，复配高性能之耐热助剂，主、辅抗氧剂等，经特殊工艺复合处理而成。

◆◆◆ 物理性质：外观：浅黄色至白色粉末

◆◆◆ 产品特性：

1. 环保，复合 ROHS、REACH-SVHC、PAHS、NO-18P、EN 等国际最新环保标准
2. 极佳之耐热性，能有效减免 PVC 受热老化，极易加工。
3. 用于白色或浅色制品后期耐候耐黄变性优良、用于深色黑色抗析出性能优良
4. 制品表面光洁度好，抗吸水性强，有利于二次加工，无气味

◆◆◆ 产品用途：环保 PVC 粒料，PVC 软管、密封条，压延膜等软质制品。

PVC soft universal environmental protection heat stabilizer

◆◆◆ Product name: environmental protection type PVC calcium zinc compound heat stabilizer

◆◆◆ Product code: SZ-031 series

◆◆◆ Product Features:

1. Environmental protection, compound ROHS, REACH-SVHC, PAHS, NO-18P, EN and other international latest environmental standards
2. Excellent heat resistance, can effectively reduce PVC aging by heat, easy to process.
3. Used for white or light colored products with excellent resistance to marquis and yellowing, and excellent resistance to precipitation in dark black
4. Good surface finish, strong resistance to water absorption, conducive to secondary processing, odorless

◆◆◆ How to use:

environment-friendly PVC granule, PVC hose, sealing strip, calendered film and other soft products.

PVC加工助剂

◆◆◆ 产品简介

PVC加工助剂ACR主要用于改善硬质PVC的加工性能，促进PVC树脂塑化、熔融、降低加工温度，提高制品的外观质量；提高PVC树脂热态流动性能和挤出速度；提高熔体强度，改善延伸性能等而使PVC制品更加均匀，提高力学强度等物理指标。

◆◆◆ 技术指标

项目	Q-158	Q-168	Q-401	Q-908
特性粘度, 25℃	0.5-1.5	3.0-4.0	6.0-8.0	11.5~12.5
水分含量, %≤	1.5	1.5	1.5	1.5
表观密度, g/cm ³ ≥	0.5±0.1	0.45±0.1	0.40±0.05	0.40±0.05

◆◆◆ 包装和贮运

产品为外用编织袋，内包装用塑料袋，双层包装，每袋25KG。本品为无毒、无腐蚀性固体碎片，属非危险品，运输按非危险品操作，应防止暴晒、雨淋。本品贮存于阴凉通风处，防止阳光直射，保质期为12个月，超过保质期后经检验合格，仍可继续使用。

ACR, PVC Processing Aid

◆◆◆ Product Introduction

ACR, PVC processing aid, is mainly used in improving the processing ability of rigid PVC, which can facilitate resin's plasticization, melting, as well as lower processing temperature. Moreover, it could also improve thermal flow properties, extrusion speed, melt strength, extension properties, etc., so as to make the PVC products more evenly. Correspondingly, physical indicators like mechanical strength are improved.

◆◆◆ Technical index

Model	Q-158	Q-168	Q-401	Q-908
Viscosity (25℃)	0.5-1.5	3.0-4.0	6.0-8.0	11.5~12.5
Moisture content (%≤)	1.5	1.5	1.5	1.5
apparent density (g/cm ³ ≥)	0.5±0.1	0.45±0.1	0.40±0.05	0.40±0.05

◆◆◆ Packaging & storage & transportation

This product is double packaged, with plastic woven bag for outer packaging, and plastic bag for inner use, 25 kg per bag. PVC Processing Aid of ACR is non-toxic, non-corrosive solid debris, and harmless, so it could be transported as non-dangerous goods. Please store it in cool, ventilated places, also do remember prevent it from sun, rain, as well as direct sunlight. The storage expiration is of 12 months, but you can continue to use it, if it's qualified after inspection when it's over limit date.

聚乙烯蜡

◆◆◆ 产品简介

聚乙烯蜡是我公司自主研发的分子量高低不同的系列产品。安全环保，经SGS检测，无重金属，满足ROSH规范。该系列聚乙烯蜡产品可有效提高PVC热稳定剂加工过程的流动性，增加PVC制品的挤出效率，提高制品的表面光泽度；能够有效控制PVC热稳定剂加工过程的团聚现象；并且有效解决PVC热稳定剂加工过程的析出现象。

◆◆◆ 技术指标

指标名称	S-100	S-105	S-110	S-115
外观	片状/粉状	片状/粉状	片状/粉状	片状/粉状
颜色	白色	白色	白色	白色
软化点℃	100±2	105±2	110±5	115-120
熔融粘度(140℃) cps	10-20	30-40	40-60	----
针入度dmm	<1	<3	<5	---
密度g/ml	0.92	0.93	0.95	---

◆◆◆ 包装和贮运

产品为外用塑料编织袋，内包装用塑料袋，双层包装，每袋25KG。本品为无毒、无腐蚀性固体碎片，属非危险品，运输按非危险品操作。本品贮存于阴凉通风处，请远离火源，高温，潮湿和强氧化剂的场所存放。

Polyethylene Wax

◆◆◆ Product Introduction

Developed independently by our company, Polyethylene wax is a series products with high and low molecular weight. Passed SGS test, without any heavy metals and meet the standards of ROHS, Its safe and Eco-friendly. This series of polyethylene wax can effectively improve the mobility of PVC heat stabilizers during processing, make its easier to be extruded, and looks shinier of its surface. Moreover, PE-WAX could also effectively avoid PVC heat stabilizers from agglomeration and precipitation during processing.

◆◆◆ Technical index

Model	S-100	S-105	Q-110	Q-115
Appearance	Platy/powdery	Platy/powdery	Platy/powdery	Platy/powdery
Color	white	white	white	white
Softening temperature	100±2℃	105±2℃	110±5℃	115-120℃
Melt Viscosity (140℃) cps	10-20	30-40	40-60	--
Penetration (dmm)	<1	<3	<5	--
Density (g/ml)	0.92	0.93	0.95	--

◆◆◆ Packaging & storage & transportation

This product is double packaged, with Plastic woven bag for outer packaging, and plastic bag for inner use, which is 25 kg per bag. PE-WAX is non-toxic, non-corrosive solid debris, and harmless, so it could be transported as non-dangerous goods. Please store it in cool, ventilated places, please keep it away from fire, heat, humidity and strong oxidants places.

PVC加工内润滑

◆◆◆ 产品简介

PVC加工内润滑剂广泛应用于PVC发泡制品、异型材、板材等产品，是具有高相溶性的综合润滑剂，提高制品的表面光洁度，特别提高加工性能。此产品对热塑化时间几乎无影响，在具有复杂的断面加工和注塑时可调节流动。

◆◆◆ 技术指标

项目	Q-60	Q-70
密度, g/cm	0.860~0.890	0.860~0.890
折光指数, (80℃)	1.443~1.453	1.453~1.463
粘度, mpa.S(80℃)	20-30	10-16
酸值, mgKOH/g<	5	10
碘值gI2/100g<	-----	1

◆◆◆ 包装和贮运

产品为外用编织袋，内包装用塑料袋，双层包装，每袋25KG。本品为无毒、无腐蚀性固体碎片，属非危险品，运输按非危险品操作，应防止暴晒、雨淋。本品贮存于阴凉通风处，防止阳光直射，保质期为12个月，超过保质期后经检验合格，仍可继续使用。

PVC Processing Lubricant

◆◆◆ Product Introduction

PVC Internal processing lubricant, which widely used in PVC foaming products, profiled bars, boards, etc. It's a synthetic lubricant with high compatibility. It can improve processing ability particularly, as well as the surface finish of products. Having barely influence on thermal plasticizing time, it could be adjustable flow during complex section processing and injection molding.

◆◆◆ Technical index

Model	Q-60	Q-70
Density (g/cm)	0.860~0.890	0.860~0.890
Refractive index (80℃)	1.443~1.453	1.453~1.463
Viscosity [mpa.S(80℃)]	20-30	10-16
Acid value (mgKOH/g<)	5	10
Iodine value (gI2/100g<)	-----	1

◆◆◆ Packaging & storage & transportation

This product is double packaged, with Plastic woven bag for outer packaging, and plastic bag for inner use, 25 kg per bag. PVC Internal Processing Lubricant is non-toxic, non-corrosive solid debris, and harmless, so it could be transported as non-dangerous goods. Please store it in cool, ventilated places, also do remember prevent it from sun, rain, as well as direct sunlight. The storage expiration is of 12 months, but you can continue to use it, if it's qualified after inspection when it's over limit date.

PVC发泡调节

◆◆◆ 产品简介

PVC发泡调节剂是由丙烯酸酯类单体通过超低温乳液聚合工艺制得，属无规共聚物，分子量高且呈线性分布。主要用于改善硬质PVC低发泡制品的泡孔均匀度，促进PVC树脂塑化、熔融、提高制品的外观质量。提高PVC物料的溶体强度，防止气泡合并从而得到均匀发泡的制品。本品为白色粉末。不溶于水、乙醇，在醚、酮、氯代烃中能溶解或溶胀。

◆◆◆ 技术指标

项目	W-610	W-630	W-650
外观	白色易流动粉末	白色易流动粉末	白色易流动粉末
特性粘度, 25℃	12.5±0.5	11.5±0.5	12.0±1.0
挥发份, %≤	1.5	1.5	1.3
粒径【孔径0.45mm(40目)】≥	98%通过	98%通过	98%通过

◆◆◆ 包装和贮运

产品为外用编织袋，内包装用塑料袋，双层包装，每袋25KG。本品为无毒、无腐蚀性固体碎片，属非危险品，运输按非危险品操作，应防止暴晒、雨淋。本品贮存于阴凉通风处，防止阳光直射，保质期为12个月，超过保质期后经检验合格，仍可继续使用。

PVC Foaming Regulator

◆◆◆ Product Introduction

PVC foaming regulator is made of acrylic monomers obtained by ultra-low temperature emulsion polymerization process technology. It is a random copolymer with a high molecular weight linear distribution. Mainly used to improve the uniformity of cell rigid PVC foam products and promote the plasticization and melt of PVC resin, improve the quality of products. Improving the strength PVC melt material in order to prevent the coalescence of bubbles and to obtain a uniform foamed article. With the appearance of white powder, our products are Insoluble in water, ethanol while in ethers, ketones, chlorinated hydrocarbons capable of being dissolved or swelled.

◆◆◆ Technical index

Model	W-610	W-630	W-650
Appearance	White free-flowing powder	White free-flowing powder	White free-flowing powder
Viscosity (25℃)	12.5±0.5	11.5±0.5	12.0±1.0
Volatilization (%≤)	1.5	1.5	1.3
Diameter【Aperture0.45mm(40)】≥	98% pass	98% pass	98% pass

◆◆◆ Packaging & storage & transportation

This product is double packaged, with Plastic woven bag for outer packaging, and plastic bag for inner use, 25 kg per bag. PVC foaming regulator is non-toxic, non-corrosive solid debris, and harmless, so it could be transported as non-dangerous goods. Please store it in cool, ventilated places, also do remember prevent it from sun, rain, as well as direct sunlight. The storage expiration is of 12 months, but you can continue to use it, if it's qualified after inspection when it's over limit date.

炭黑 Carbon black

◆◆◆ 产品简介

炭黑（也称碳黑）是由烃类化合物（主要为石油衍生物）经过不完全燃烧或热裂解形成的近似于球体的胶体粒子的准石墨结构物质，以聚集体形式存在，表现呈纯黑色粉状或者粒状。产品的粒径、结构和表面活性根据原料和生产工艺的不同而有很大差异。炭黑不溶于水，有酸碱性之分，燃烧后产生二氧化碳。炭黑的主要成分是碳，同时包含微量氢、氧、硫、灰分、焦油和水份。

◆◆◆ 产品用途：主要用于制造色母粒、塑料、矿用管材、油墨、油漆、橡胶类、硅胶类、水泥混凝土、塑料发泡、PVC电缆料、PVC胶粒、PE、PA、PP、EVC发泡、涤纶、化纤类、吹膜、压延膜、色浆、造纸行业、玻璃胶、树脂、环氧地坪、水漆、无纺布、醇溶性溶剂、水性溶剂、油溶剂、聚氨酯、聚乙烯、涂料、密封胶、勾缝剂、防水胶、丁基胶、丁晴胶、化肥、耐火材料、耐高温材料、绝缘材料、导电材料、超导材料，超导体

◆◆◆ 产品技术指标

项目	炭黑SZ-910	炭黑SZ-900
外观	符合	符合
吸碘值g/kg	90	72
压缩样吸油值10-5m3/kg	58	60
着色强度%	125	42
杂质	无	无
PH值	8	7.9
加热减量%	0.5	0.5
灰分	0.7	16

◆◆◆ 包装和贮运

产品为外用编织袋，内包装用塑料袋，双层包装，每袋20KG。本品为无毒、无腐蚀性固体碎片，属非危险品，运输按非危险品操作，应防止暴晒、雨淋。本品贮存于阴凉通风处，防止阳光直射，保质期为12个月，超过保质期后经检验合格，仍可继续使用。

特种润滑剂 Special Lubricants

◆◆◆ 产品简介

特种润滑剂可用于塑料（PVC、PE、PP、PS、PA、PC、PBT、LCP、PET、PPO、PPO、PPS、ABS等），天然橡胶和合成橡胶的内外润滑剂、尤其在高温加工条件下耐分解温度高。在高温下具有良好的热稳定剂性和低挥发性、良好的脱模和流动性能。在橡胶、塑料行业作用曾塑剂、润滑剂。在橡胶塑炼过程中起塑解和润滑作用；对部分结晶的塑料有极好的成核作用，可用于透明产品；在挤出和塑模加工过程中，对很多聚合物来说都是一个有效的润滑剂；而且，它可以显著改善透明度及表面光洁度。特别适用于同时要求高温加工条件下、热稳定剂性和优异脱模性的情况，当需要同时具备热稳定性与优异的脱模性能：

1. 抗静电
2. 稳定剂
3. 优良的表面活性
4. 良好的油脂性
5. 树脂相容性

◆◆◆ 产品技术指标

项目	特种润滑剂
外观	白色粉状
酸值 (mgKOH/g)	≤2
碘值 (g/100g)	≤2
羟值 (mgKOH/g)	25-35
皂化值 (mgKOH/g)	160-185
熔点 (°C)	55-65

◆◆◆ 包装储存

产品为外用编织袋，内包装用塑料袋，双层包装，每袋25KG。本品为无毒、无腐蚀性粉末，属非危险品，运输按非危险品操作，应防止暴晒、雨淋。本品贮存于阴凉通风处，防止阳光直射，保质期为12个月，超过保质期后经检验合格，仍可继续使用。

巴斯夫蜡粉Luwax 0 A

◆◆◆ 产品名称:巴斯夫蜡粉Luwax 0 A是一种氧化改性的聚乙烯蜡, 适用于乳化蜡行业, 具有性价比 高, 硬度高, 密度高, 摩尔质量高等性能特点。

基于巴斯夫Luwax 0 a蜡粉的蜡乳液具有以下特点

- : 1.粘度高, 附着力好
- 2 .抗刮擦性能好
- 3 .滑爽性能优异
- 4. 聚合物相容性好, 便于应用
- 5. 光亮效果好。

巴斯夫蜡粉Luwax 0 a6还可以应用在塑料工业, 起到延迟塑化时间和内外润滑的作用。

测试项目	单位	0 a 6
熔点	°C	126-133
布氏硬度 (Fischer, 23°C)	N/mm ²	56-66
针入度 (23°C)	d m m	Ca. 1
酸值	mg KOH/g	17.5-19
皂化值	mg KOH/g	20-30
摩尔质量	g/mol	Ca. 11000
黏度 (120°C)	mm ² /s	-----
密度 (23°C)	g/cm ³	Ca. 0.99

Luwax 0 A of BASF wax powder

◆◆◆ Product name

BASF wax Luwax 0A is a modified polyethylene oxide used in emulsifying wax industry. It has features including Cost-effective high hardness, high density, high molar mass, etc

Emulsions BASF Luwax 0A owns the following characteristics:

*High viscosity, good adhesion.

*Good scratch resistance.

*Excellent slip properties.

*The polymer compatibility, convenient for application.

*Good light effects.

BASF wax Luwax 0A6 can also be used in the plastics industry, it can delay the time of plasticization and improve the internal and external lubrication.

Specification	Unit	0 a 6
Melting point	°C	126-133
BH (Fischer, 23°C)	N/mm ²	56-66
Penetration (23°C)	d m m	Ca. 1
Acid value	mg KOH/g	17.5-19
Saponification value	mg KOH/g	20-30
Molar mass	g/mol	Ca. 11000
Viscosity (120°C)	mm ² /s	-----
Density (23°C)	g/cm ³	Ca. 0.99

SGS

Test Report No. SHAE2016041901 Date: 14 Sep 2020 Page 1 of 8

SHANGHAI SAIZHUANG CHEMICAL TECHNOLOGY CO.,LTD.
SHANGHAI CAOJIEJING DEVELOPMENT ZONE

The following sample(s) was/were submitted and identified on behalf of the clients as : ACR PVC Processing Aid

SGS Job No. SP20-028913 - SH
Date of Sample Received : 09 Sep 2020
Testing Period : 09 Sep 2020 - 14 Sep 2020
Test Requested : Selected test(s) as requested by client
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).

Conclusion :
Based on the performed tests on submitted sample(s), the results of Cadmium, Lead, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Denki Zheng
Approved Signatory

Member of the SGS Group (SGS SA)

SGS

Test Report No. SHAE2016041901 Date: 14 Sep 2020 Page 1 of 8

SHANGHAI SAIZHUANG CHEMICAL TECHNOLOGY CO.,LTD.
SHANGHAI CAOJIEJING DEVELOPMENT ZONE

The following sample(s) was/were submitted and identified on behalf of the clients as : PE-WAX

SGS Job No. SP20-028913 - SH
Date of Sample Received : 09 Sep 2020
Testing Period : 09 Sep 2020 - 14 Sep 2020
Test Requested : Selected test(s) as requested by client
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).

Conclusion :
Based on the performed tests on submitted sample(s), the results of Cadmium, Lead, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Denki Zheng
Approved Signatory

Member of the SGS Group (SGS SA)

SGS

Test Report (SVHC) No. SHAE2016047801 Date: 14 Sep 2020 Page 1 of 19

SHANGHAI SAIZHUANG CHEMICAL TECHNOLOGY CO.,LTD.
SHANGHAI CAOJIEJING DEVELOPMENT ZONE

The following sample(s) was/were submitted and identified on behalf of the clients as : PE-WAX

COG Job No. CP20-028913 - G11
Date of Sample Received : 09 Sep 2020
Testing Period : 09 Sep 2020 - 14 Sep 2020
Test Requested : As requested by client, SVHC screening is performed according to:
(i) Two hundred and nine (209) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jun 25, 2020 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Results : Please refer to next page(s).

Summary :	PASS
According to the specified scope and evaluation screening the test results of SVHC are ≤ 0.1% (w/w) in the submitted sample.	

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Carol Luo
Approved Signatory

Member of the SGS Group (SGS SA)

SGS

Test Report (SVHC) No. SHAE2016047807 Date: 14 Sep 2020 Page 1 of 19

SHANGHAI SAIZHUANG CHEMICAL TECHNOLOGY CO.,LTD.
SHANGHAI CAOJIEJING DEVELOPMENT ZONE

The following sample(s) was/were submitted and identified on behalf of the clients as : S-60

COG Job No. CP20-028913 - G11
Date of Sample Received : 09 Sep 2020
Testing Period : 09 Sep 2020 - 14 Sep 2020
Test Requested : As requested by client, SVHC screening is performed according to:
(i) Two hundred and nine (209) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jun 25, 2020 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Results : Please refer to next page(s).

Summary :	PASS
According to the specified scope and evaluation screening the test results of SVHC are ≤ 0.1% (w/w) in the submitted sample.	

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Carol Luo
Approved Signatory

Member of the SGS Group (SGS SA)

SGS

Test Report No. SHAE2016041907 Date: 14 Sep 2020 Page 1 of 8

SHANGHAI SAIZHUANG CHEMICAL TECHNOLOGY CO.,LTD.
SHANGHAI CAOJIEJING DEVELOPMENT ZONE

The following sample(s) was/were submitted and identified on behalf of the clients as : S-60

SGS Job No. SP20-028913 - SH
Date of Sample Received : 09 Sep 2020
Testing Period : 09 Sep 2020 - 14 Sep 2020
Test Requested : Selected test(s) as requested by client
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).

Conclusion :
Based on the performed tests on submitted sample(s), the results of Cadmium, Lead, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Denki Zheng
Approved Signatory

Member of the SGS Group (SGS SA)

SGS

Test Report (SVHC) No. SHAE2016047809 Date: 14 Sep 2020 Page 1 of 19

SHANGHAI SAIZHUANG CHEMICAL TECHNOLOGY CO.,LTD.
SHANGHAI CAOJIEJING DEVELOPMENT ZONE

The following sample(s) was/were submitted and identified on behalf of the clients as : ACR PVC Processing Aid

SGS Job No. SP20-028913 - SH
Date of Sample Received : 09 Sep 2020
Testing Period : 09 Sep 2020 - 14 Sep 2020
Test Requested : As requested by client, SVHC screening is performed according to:
(i) Two hundred and nine (209) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jun 25, 2020 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Results : Please refer to next page(s).

Summary :	PASS
According to the specified scope and evaluation screening the test results of SVHC are ≤ 0.1% (w/w) in the submitted sample.	

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Carol Luo
Approved Signatory

Member of the SGS Group (SGS SA)