

PVC Additives

>>> 其他助剂

01 白发泡剂 NC BLOW AGENT

领创系列NC吸热型发泡剂粒径均匀，分散性好，发泡均匀，与AC发泡剂搭配使用，避免在厚制品的发泡过程中AC添加量过大造成的放热烧焦发黄的现象。吸热型发泡剂冷却和均衡内热，防止厚板内部过热降解，减少残留物析出，并有增白作用，能防止多添加放热型发泡剂带来的副作用，并延长生产周期。



LC series NC endothermic blowing agents has been specially for giving uniform cell structures and best dispersion in rigid PVC foams, along with no interference in the colour of the product. When used in combination with AC foaming agent, it avoids the phenomenon of exothermic burning and yellowing caused by excessive AC addition during the foaming process of thick products. The endothermic foaming agent cools and balances internal heat, preventing internal overheating and degradation of thick plates, reducing residue precipitation, and has a whitening effect, which can prevent the side effects caused by the addition of exothermic foaming agents and prolong the production cycle.

性能特征 FEATURES

吸热型发泡剂，适宜的发热温度非常适合PVC/EVA等加工生产。

卫生性能：相对AC（释放氨气，甲酰胺）该白发泡剂更加无毒、无异味。

1. Endothermic foaming agent. Suitable temperature for PVC/EVA/ processing and production.
2. Health performance: compared with AC (release ammonia gas, formamide), the white foaming agent is more non-toxic and no odor.

应用说明 APPLICATION

建议添加量：0.3%-2%

其加工温度150-190 可达到最佳发泡效果；

与AC配合使用效果更佳（一般AC放热反应，泡孔细腻发气量高，但泡孔易塌陷发黄而白发泡为吸热反应，泡孔粗发气量低，泡孔不易塌陷制品白，两者可取平衡点）；

相对于普通发泡剂AC，其发泡的过程可以更好的控制，更容易制造颜色更白更纯正的白色制品，其吸热反应放气，可避免在厚制品的发泡中AC添加量过大造成的放热烧焦发黄的现象。

1. Recommended dosage: 0.3-2%
2. Its processing temperature of 150-190°C can achieve the best foaming effect
3. Better use with AC (General AC exothermic reaction, bubble hole exquisite high gas capacity, but bubble hole easy to collapse yellow. And white foam bubble is endothermic reaction, bubble hole coarse gas volume is low, bubble hole is not easy to collapse products white, the two can be balanced).
4. Compared with ordinary foaming agent AC, its foaming process can be better controlled, and it is easier to produce white products with whiter and purer colors. Its endothermic reaction can deflate air, which can avoid exothermic burning and yellowing phenomenon caused by excessive addition of AC in the foaming of thick products.

型号说明 TYPE



L-282

发泡板，型材木塑发泡制品不要求白度，应用广泛，配合AC使用。

Foam board, wood plastic foam products widely used, with AC blowing agent; products do not require whiteness.



L-26

发泡板、气窗、管材，要求白度的制品，泡孔细腻，配合AC使用。

Foamed board, transomed window, Bubble hole exquisite, tube materials which request whiteness; can be used together with AC blowing agent.



L-627

广告板雕刻板，要求高白度制品，白度好，泡孔细腻，硬度高。

Advertising board carving board, requirements of high whiteness products .Good whiteness, hole foam high hardness.



L-527

板材鞋材，高白度的制品，更高的白度，板面平整，板芯硬度高。

Boards, shoe material, high whiteness products, higher whiteness, flat board surface, high core hardness .



02 黄发泡剂 AC BLOW AGENT

领创系列AC发泡剂是低粉尘的有机发泡剂，主要用于高分子材料发泡，橡胶制品以及PVC制品。通过控制分解速度，温度以及产品粒径及分布来获得性能可靠的发泡制品。

LC series AC blowing agent is a low dust organic chemical blowing agent for the production of polymer foam that is used in polymer melts, rubber compounds and PVC .By means of decomposition speed, temperature, particle size distribution & gas yield for reliable performance.



性能特征 FEATURES

放热型，发气量大，性能优越、用途广泛的发泡剂；

AC 发泡剂为黄色粉末，但分解残留物为白色，因此可以用于白色或浅色制品之中；

分解气体中含有 N_2 ， CO_2 ，和少量氮气。

1.Exothermic type, large gas capacity, superior performance and widely used foaming agent.

2.AC foaming agent is yellow powder, but the decomposition residue is white, so it can be used in white or light-colored products.

3.The decomposition gas contains N_2 , CO_2 , And a little bit of nitrogen.

应用说明 APPLICATION

● 建议添加量 0.05%-2%； ● 单独使用或者配NC； ● 加工温度160-205℃可达到最佳发泡效果。

1.Recommended dosage: 0.05%-2%

2. Can be used separately or together with NC foaming agent.

3. The processing temperature of 160-205℃ can achieve the best foaming effect.

型号说明 TYPE

S-102: 复合型平衡发泡剂，PS镜框，薄制品发泡领域；

S-90: 复合型平衡发泡剂，型材木塑发泡制品不要求白度领域；

S-901: 放热型黄发泡剂，发泡板，普通壁厚密度的发泡制品；

S-801: 放热型黄发泡剂,发泡板高发泡，低密度厚制品发泡领域。

S-102: Compound balanced blowing agent, PS frames, thin products foam field;

S-90: Compound balanced blowing agent;

Profile wood plastic foam products which does not require whiteness field;

S-901: Exothermic yellow foaming agent;

Foam board, ordinary wall thickness and density of foam products;

S-801: Exothermic yellow foaming agent; Foam board high foam,low density thick products foam field

03 稳定剂 STABILIZER

PVC 复合稳定剂 PVC COMPOUND STABILIZER

广泛应用于 PVC 制品的加工，如门窗型材、排水管、穿线管、塑料板材、电线电缆、注塑制品等。

It is widely used in the processing of PVC products, such as door and window profiles, drainage pipes, threading pipes, plastic plates, wires and cables, Injection molding products, etc.



优点 ADVANTAGES

- 1. 优异的热稳定性和初期着色性，适合高填充性，良好的性价比。
Excellent thermal stability and initial coloration, suitable for high filing, good cost performance.
- 2. 具有内外润滑平衡，工艺适应性好。
Good internal and external lubrication balance and processing adaptability.

钙锌稳定剂 CALCIUM-ZINC STABILIZER



广泛应用于管材、管件、板材、型材、注塑、吹塑薄膜、电线电缆等制品中。

Calcium zinc stabilizer was respectively used in pipes, pipe fittings, plates, profiles, such as injection molding, blown molding film, wire and cable products

优点 ADVANTAGES

- 1. 优异的热稳定性和初期着色性，电绝缘能力优良。
Excellent thermal stability and initial coloration, suitable for high filing, good cost performance.
- 2. 良好的抑制铜绿性能，抗氧化性好，耐候性好，耐硫化污染。
Good internal and external lubrication balance and processing adaptability.
- 3. 具有优秀的耐析出、防喷霜性能，相容性好，挥发低，迁移性小。
Excellent resistance to separating out and spray frost, good compatibility, low volatility transferability.
- 4. 符合ROHS环保要求。
Meet the requirements of ROHS.

04 润滑剂 LUBRICANT

PVC润滑剂(LC-60) PVC LUBRICANT LC-60

硬聚氯乙烯加工性能中的内润滑剂，高相容性综合润滑剂，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性。对于其它塑料具有高润滑性和脱模性，对透明性无影响，也适用于PMMA。固体饱和脂肪醇中性二羟酸脂，无毒。

Hard PVC processing properties, internal lubricants, highly compatibles synthetic lubricants, almost have no effect on thermofusion time, help to be adjustable for complex cross-section processing and injection molding. It has high lubrication and demould nature to other plastics. And, the product has no effect on transparency, as well as PMMA. Solid, Saturated fatty alcohol neutral dihydroxylate, non-toxic.



> 优点 ADVANTAGES

- 1. 改善熔体流动性，有利于复杂形状制品的挤出和注塑加工。
Improve the liquidity of the melt to help extrusion and injection molding of complex shape products.
- 2. 促进熔体塑化均匀，改善制品冲击强度。
Promote uniform melt plasticization and improve impact strength of products.
- 3. 抗析出，防粘膜，可提高挤出速度，延长生产周期。
Anti-precipitation, avoid sticking problem to fast the speed of extrusion velocity and shorten productive cycle.
- 4. 与PVC及其它助剂相容性好，中、后期润滑持效性强。
It has good compatibility with PVC and other additives, good lubrication in middle and late stage

PVC润滑剂 3316 PVC LUBRICANT 3316

本品属于环保稳定内外润滑剂，不含甲酰胺，无异味无毒。
广泛适合于PVC加工生产。在高填充的PVC生产中可以填充更多的填充剂而保持塑化良好，润滑及出料稳定，促进塑化。

The product is environmentally friendly and stable internal and external lubricants, tasteless, innocuous with no formamide.

Suitable for PVC processing and production. In the production of highly filled PVC, more fillers can be filled to maintain good plasticization, lubrication and stable discharge, promote plasticization.



> 优点 ADVANTAGES

- 1. 优良的稳定及内外润滑的搭配。
Good stability and match of internal and external lubrication.
- 2. 相对于普通PE蜡其高熔点特性，不会造成雾化损失和口模滴挂。
Compare to common PE wax high melting character, the product will not cause atomization loss and die drip hanging.
- 3. 在PVC发泡生产中添加3316，可提高发泡的稳定性，均匀性，促进发泡同时延长拆模时间。
The addition of 3316 in the foaming production of PVC can improve the stability and uniformity of foaming to promote foaming and prolong the time of striking time.

聚乙烯蜡 PE WAX

片状或粉状，颗粒状蜡状物，软化点高粘度较低，分子量大，热损失小。

Flakes (powder) or granule with high softening point, low viscosity, large molecular weight, low thermal losses.



应用领域 APPLICATION

PVC木塑行业，发泡板、管材、管件、电线电缆行业等。

Wood-plastic industry, foam board, pipes, fittings, wire and cable industry.

> 优点 ADVANTAGES

- 1. 具有粘度低，软化点高，良好的脱模性和后期润滑性。
Low viscosity, high softening point, good demolding and post lubrication properties.
- 2. 无毒，无味，热稳定性好，高温挥发性低，对颜料的分散性强，极优的外部润滑性，可提高塑料加工的生产效率。
Non-toxic, odorless, good thermal stability, low high-temperature volatility, strong dispersion of pigments and excellent external lubricity, which can improve the production efficiency of plastic processing.
- 3. 在常温下抗湿性能好，耐化学药品能力强。
The product has good moisture resistance at room temperature and strong chemical resistance.
- 4. 电性能优良，能提高塑料加工流动性和脱模性，提高塑料加工挤出效率，可改善成品的外观。
With excellent electrical properties, LC series PE Wax product can improve the fluidity and demoulding of plastic processing, improve the extrusion efficiency of plastic processing and improve the appearance of finished products
- 5. 作为外润滑剂，其化学性质稳定。
As an external lubricant, its chemical properties are stable.



05 钛白粉 TITANIUM DIOXIDE

钛白粉 锐钛型 TITANIUM DIOXIDE (ANATASE)

优良的白色粉末颜料，具有白度好，着色力高、遮盖力强、分散性好等特点；广泛用于许多工业领域，如橡胶、涂料、塑料、造纸及油墨等。

Anatase titanium dioxide is an excellent white powder pigment with good whiteness, hightinting strength, strong covering power and good dispersion. Anatase titanium dioxide is widely used in many industries such as rubber, pigment, plastic, paper and ink.



钛白粉 金红石型 TITANIUM DIOXIDE (RUTILE)

经无机硅铝包膜，有机表面处理的，具有良好的光泽度和遮盖力，耐候性高，分散性好等特点;通用型，可广泛用于塑钢型材，卷钢漆、粉末涂料、橡胶色母粒、涂料乳胶漆、造纸、化纤、化妆品等。

Titanium dioxide (Rutile) is an inorganic silicon aluminum coated, organic finish titaium dioxide, which has good lusters and envelop power, high weather resistance, good dispersion etc.The product is universal and can be widely used in model steel profile, coil coatings, powder coatings, rubber masterbatch, emulsion paint of paint, paper making, chemical fiber, cosmetics etc.



06 增白剂 WHITENING AGENT



优势 ADVANTAGES

亮黄色结晶粉末，无味，不溶于水，具有优越的荧光增白效果良好的稳定性和添加量少的特点。

Bright yellow crystalline powder, tasteless, insoluble in water, low cost with excellent fuorescent whitening effect, good thermal stability.



应用领域 APPLICATION

主要用于聚丙烯塑料，硬质PVC、ABS、EVA、聚苯乙烯、聚碳酸酯等增白作用。

Whitening agent is applied to polypropylene plastic, rigid PVC, ABS, EVA, polystyrene, polycarbonate.

07 PVC发泡调节剂 FOAMING REGULATOR



领创PVC发泡调节剂具有加工助剂所有的特性，唯一的区别在于发泡调节剂具有超高的分子量从而可以提供PVC熔体超高的熔体强度。超高熔体强度提高熔体弹性和韧性，能包裹住发泡剂释放的气体防止气体串并和破裂，从而提高泡孔结构细密度，提高发泡制品强度以及表面质量。

LC series PVC foam regulator product has all characteristics of acrylic processing aids, the only difference is that the molecular weight of foam regulator is much more higher than that of acrylic processing aid. Its high melt strength is conducted to improve the melt ductility, contain the bubble prevent bubble merging and break, thus improve the product inner cell structure and surface quality.

优势 ADVANTAGES

- 1. 促进PVC塑化
Promote plasticization.
- 2. 提升PVC熔体强度以防止气泡串并和破裂
Increase the melt strength to prevent from bubble merging and rapture
- 3. 控制PVC熔体流动性提高发泡制品表面质量
Ensure flow of PVC melt to get smooth surface

技术指标 TECHNICAL SPECIFICATIONS

Item	Foam Sheet 3-8mm	Foam Sheet 8-15mm	Foam Sheet > 15mm
	ACR-100	ACR-200	ACR-300
表观密度 Bulk Density (g/cm3)	0.45±0.1	0.45±0.1	0.45±0.1
筛余物 Sieve Residue(30mesh)(%)	≤2.0	≤2.0	≤2.0
挥发份 Volatile Content (%)	≤1.5	≤1.5	≤1.5
特性粘度 Intrinsic Viscosity(η)	11.0-13.0	11.5-12.5	14.0-15.5

Index		ACR-100	ACR-200	ACR-300
分散性 Dispersibility		●●●●●	●●●	●●
塑化 Fusion		●●●●●	●●●	●●
流动性 Flow ability		●●●●●	●●●	●●
熔体强度 Melt Strength		●●●	●●●●●	●●●●●●

08 PVC抗冲增韧剂LC-30/900

PVC TOUGHENING AND IMPACT ADDITIVES



我们公司研发的特殊加工助剂实际上是丙烯酸酯类高分子聚合物，相对于普通的加工助剂该类加工助剂的分子量非常高，相对于国内外的同类产品，在用量相同的情况下该类产品能额外提高PVC物料的熔体强度达20-30%。

Lingchuang unique processing aids developed by our company are actually acrylic processing aids and have all characteristics of general acrylic processing aid. the oy difference between them is that unique processing aids all have the very higher molecular weight, they can efficiently increase the melt strength of PVC compound higher by 20-30% compared with other similar materials from foreign markets.

应用领域 APPLICATION

1. 用来生产低密度、高表面光洁度的厚PVC发泡板才及木塑发泡制品。
 2. 作为普通加工助剂用来生产不透明的PVC硬制品，但用量比其他普通型的加工助剂少20-30%。
1. PVC foaming products which have the needs of lower density needs and higher gloss surface.
2. PVC rigid products with less using dosage for cost-saving purpose compared with general processing aid.

技术指标 TECHNICAL SPECIFICATIONS

项目 Item	单位 Unit	LC-900
外观 Appearance	--	白色粉末
挥发份 Volatile content	%	≤1.5
表观密度 Bulk density	g/cm ³	0.45±0.05
筛余物（30目） Sieve residue (30mesh)	%	≤2.0
特性黏度 Intrinsic viscosity	η	10.0-11.0
If customers have requirements with regard to the above data or need additional test items, please notify us and we will manage to meet your requirements		

优点 ADVANTAGES

- ◆ 1. 高效、低用量
less using dosage and high efficiency.
- ◆ 2. 超高分子量
higher molecular weight
- ◆ 3. 好的熔体流动性
good melt flowability
- ◆ 4. 能赋予 PVC 制品更好的表面光洁度
endow PVC products with good surface glossiness
- ◆ 5. 性价比最大化
cost-effective

09 氯化聚乙烯 CHLORINATED POLYETHYLENE



优势 ADVANTAGES

氯化聚乙烯（简称CPE）是由特种高密度聚乙烯中的氢原子被氯原子取代而制得的一种结晶或微结晶的白色细颗粒状弹性体，柔软性好。玻璃化温度低、耐候、耐老化，可作抗冲击改性剂。

CPE is a kind of crystalized white fine particle elastomer with good softness, hydrogen atoms are in special high density polyethylene replaced by chlorine atoms. Low brittle temperature, weather resistance, aging resistance make it impact and additive modifier.

应用领域 APPLICATION

CPE是PVC塑料优良的抗击改性剂，广泛用于电缆、电线、胶管、胶布、橡塑制品、密封材料、PVC型材、板管材、ABS的改性等。

CPE is an excellent impact modifier for PVC plastic. It is widely used in cables, wires, hoses, tapes, rubber and plastic products, sealing materials, PVC profiles, plastic pipes, ABS modification, etc.



细节决定成败



Plastic Additives & Technical Solutions

Why choose us

>>> 为什么选择我们

我们的优势 ADVANTAGE



工贸一体
Manufacturing & Trading



品质保证
Quality Guarantee

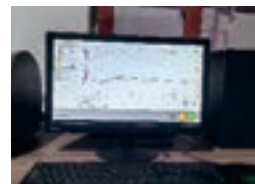


定制研发
Customized R&D



技术支持
Technical support

检测中心 TESTING CENTER



10 抗冲改性剂 丙烯酸酯类 ACRYLIC POLYMERS/LC-20



丙烯酸酯类简称“ACR”，是甲基丙烯酸酯类和丙烯酸酯类通过乳液聚合，然后经过压力喷雾干燥工艺生产出的白色易流动粉末。

• • • • •

Acrylates, abbreviated as "ACR", are white flowable powders produced by emulsion polymerization of methacrylates and acrylates and then subjected to pressure spray drying

应用领域 APPLICATION

可用于软硬制品，如管材、管件、异型材、片材、薄膜及发泡制品加工助剂。与PVC相容性好，改进外观光泽、抗张强度及断裂伸长率，提高加工性能。

The product can be used for soft and hard products, such as pipes, pipe fittings, plate profiles, sheets, films and foamed products. The product has good compatibility with PVC, improved appearance gloss, tensile strength and elongation at break.