



— Plastic Chemistry Solutions

YOUNGBU CHEMICAL

Leading the Way with Innovative



YOUNGBU CHEMICAL CO., LTD.



Introduction

Established in 1990, Youngbu Chemical has produced and sold plastic additives such as PVC Ca-Zn complex stabilizer, foaming agent, PE wax, pigment, and masterbatch.

Youngbu Chemical provides professional and detailed solutions to various plastic additive clients based on know how and technology accumulated over 30 years.

영부케미칼은 1990년도에 설립하여, PVC Ca-Zn 복합안정제, 발포제, PE WAX, 안료, 마스터배치, 왁스 등의 플라스틱첨가제를 생산 판매해왔습니다.

영부케미칼은 30년 넘는 노하우와 기술을 토대로 각종 플라스틱 첨가제 의뢰자에게 전문적이고 디테일한 솔루션을 제공합니다.



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Blowing agent 발포제

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Our product is an effective blowing agent used for various plastics and rubbers.

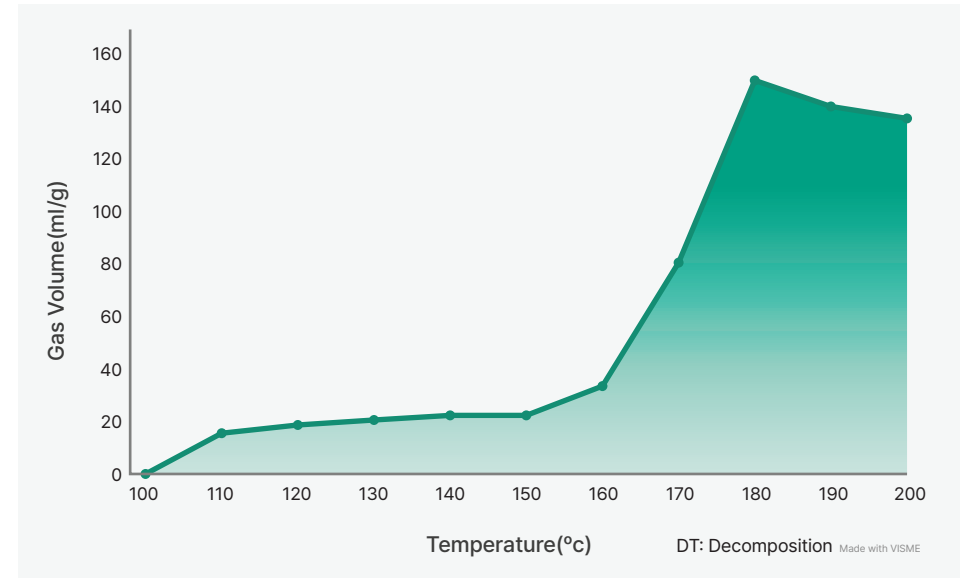
Each type of product is specialized for resins (PS, HIPS, PE, etc.), so you can get the satisfied result by using the product that fits the raw material you are using. While general azodicarbonamide has a high decomposition temperature, our product is adjusted the decomposition temperature to 140~180, making it easy to foam at low temperatures.

저희 발포제는 각종 플라스틱 및 고무에 효과적입니다.

주로 PS,HIPS,PE 등에 특화되어 있고, 베이스 원료에 따라 선택이 가능합니다.

일반적인 Azodicarbonamide는 분해온도가 높은 반면 저희 제품은 분해온도를 조절하여 비교적 낮은 온도인 140~180도에서 발포가 가능하도록 제조하였습니다.

DT Curve A-100V



	DT(°C)	GV(ml/g)	MC(%)	ASH(%)	Appearance
A-100V series	140~190	120~160	0.26	49.47	Yellowish powder
A-600V series	130~180	100~140	0.27	50.23	Yellowish powder
A-100C series	150~220	40~50	0.18	63.01	White powder

*A-100C series is an inorganic foaming agent



Ca-Zn Stabilizer 안정제

Ca-Zn compound stabilizer is an eco-friendly product that replaces lead-based compound stabilizer, which has been regulated continuously. Our products have excellent thermal stability, internal and external lubrication. In addition, it has excellent weather resistance that does not easily discolor in climate and ultraviolet rays. Main applications include PVC pipe, PVC window profile, PVC rigid product, and PVC foam.

Ca-Zn 복합안정제는 납계 복합안정제를 대체할 수 있는 친환경 제품입니다. 저희회사에서 취급하는 제품은 열 안정성, 내부 및 외부 활성이 우수합니다.

또한 기후와 자외선에 쉽게 변색되지 않는 내후성을 지닙니다. 주요한 어플리케이션으로는 PVC pipe, PVC window profile, PVC rigid product, PVC foam등이 있습니다.

Type	Application	Form	Dosage	Packing	Product Advantages
YB-7500	PVC pipe	Powder	3.5~6.0	20KG/Bag	Good color stability, low liquidity, possible to use the same amount as lead stabilizer.
YB-7200	PVC profile	Powder	4.0~6.0	20KG/Bag	Good processability, lubrication.
YB-6500	PVC window profile	Powder	4.5~5.5	20KG/Bag	Excellent thermal stability, suitable for extrusion profile.
YB-5300	PVC foam	Powder	4.0~6.0	20KG/Bag	Good thermal stability, suitable for foamed sheets and profile.
YB-1000	PVC hose	Powder	4.5~5.5	20KG/Bag	Good lubrication, heat stability.

WAX 왁스

Wax is a general term for materials that are plastic solid at a certain temperature, but become a low-viscosity liquid when the temperature rises.

The product we handle is synthetic wax. PE/PP wax, a typical synthetic wax, can be used as a pigment dispersion, PVC slip agent and other plastic additives. It can also be applied to various applications such as ink, paint, rubber and hot melt.

왁스란 임의의 온도에서 플라스틱과 같은 고체(Plastic solid)이지만 온도가 상승하면 낮은 점성 액체가 되는 물질을 총칭하며 폐사에서 취급하고 있는 제품은 합성왁스입니다. 대표적인 합성왁스인 PE/PP 왁스는 안료분산제 (pigment dispersion), PVC 슬립제 외 기타 플라스틱 첨가제로 활용할 수 있습니다. 또한 잉크, 페인트, 고무 및 핫멜트 등 다양한 애플리케이션에 적용이 가능합니다.

Section	Grade	Softening Point (°C)	Melt Viscosity (cps)	Density (g/cm3/@25°C)	hardness	Acid value (mgKOH/g)
LDPE (Low density)	L-C 101N	103±3	180±50(140°C)	0.92±0.01	max 5.0	Nil
LDPE (Low density)	L-C 102N	107±3	350±50(140°C)	0.92±0.01	max 5.0	Nil
LDPE (Low density)	L-C 121N	109±3	1,100±150(140°C)	0.92±0.01	max 3.0	Nil
HDPE (high density)	L-C 104N	118±3	350±50(140°C)	0.95±0.01	max 2.0	Nil
Homo PP WAX	L-C 502N	161±3	180±50(@170°C)	0.89±0.01	max 1.0	Nil
Homo PP WAX	L-C 503N	158±3	90±30(@170°C)	0.89±0.01	max 1.0	Nil
Co PP WAX	L-C 502NC	150±3	180±50(@170°C)	0.89±0.01	max 1.0	Nil
Co PP WAX	L-C 503NC	148±3	90±30(@170°C)	0.89±0.01	max 1.0	Nil
Oxidized PE WAX	L-C 301E	98±3	180±50(140°C)	0.93±0.01	max 5.0	16±2
LP(LDPE)	L-C 402F	110±10	max.100(140°C)	0.93±0.01	—	Nil

Section	Grade	Melt Viscosity (cps)	Acid value (mgKOH/g)	Amine value (mgKOH/g)	Particle Size	Appearance
EBS	L-C 140P	139~145	Max 7.0	Max 3.0	12mesh 100%pass	Bead
EBS	L-C 140B	139~145	Max 7.0	Max 3.0	200mesh 50%pass	Powder



Additives 첨가제

MASTER BATCH

Color Masterbatch

Applicable production: Injection, Extrusion, Blowing

Applicable Resin : PE, PP, PS, ABS, PET, PA, PMMA / PC

Functional Masterbatch

UV stabilizer

Flame retardant

Anti oxidants

Other Additives

Impact Modifier : DL-50, CPE-135A

Processing aid : P-530, YB-530, ACR-801



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