旭 业 Xuye

DERUN 德润化学

FOCUS ON PRODUCTION

CPE CPVC RESIN CPVC COMPOUND

山东旭业新材料有限公司
SHANDONG XUYE NEW MATERIALS CO.,LTD

潍坊德润化学有限公司
WEIFANG DERUN CHEMICAL CO.,LTD

山东旭业新材料有限公司

SHANDONG XUYE NEW MATERIALS CO., LTD



COMPANY INTRODUCTION 总公司简介

山东旭业新材料有限公司是一家集研发、生产、销售于一体，具有三十余年历史的现代化生产企业。总部位于山东省东营市河口区经济技术开发区。公司全资拥有潍坊德润化学有限公司。

我司先后获得ISO9001质量体系认证和环境ISO14001及职业健康GB/T28001认证，拥有省级氯化聚乙烯橡胶工程技术中心和十数项专利技术，主要产品服务于塑料、建材、特种橡胶、电线电缆、聚酯等产品及行业。

主要产品：

氯化聚氯乙烯树脂(CPVC RESIN)、氯化聚氯乙烯混配料（CPVC COMPOUND）、氯化聚乙烯（CPE）及氯化聚乙烯橡胶（CM)、间苯二甲酸二甲酯-5-磺酸钠（SIPM）及间苯二甲酸-5-磺酸钠（5-SSIPA）等。

Shandong Xuye New Materials Co., Ltd. is a modern production enterprise with over thirty years of history, integrating research, development, production, and sales.The headquarters is located in Economic and Technological Development Zone, Hekou District, Dongying City, Shandong Province. The company wholly owns Weifang Derun Chemical Co., Ltd.

All products have passed ISO9001 Quality System, ISO14001 Environmental management system and GB/T28001 Occupational Health Authentication. We have provincial chlorinated polyethylene rubber project technology center and more than 10 patents. The products are mainly used in plastics, building materials, special rubber, wire &cable, polyester products and industries, etc.

The main products :

Chlorinated polyvinyl chloride(CPVC RESIN)
CPVC compound
Chlorinated polyethylene(CPE) & Chlorinated polyethylene rubber (CM)
Dimethyl-5-Sulfoisophthalate Sodium Salt (SIPM)
5-Sulfoisophthalic acid monosodium salt (5-SSIPA)

德润化学 Derun Chemical



子公司简介 INTRODUCTION OF SUBSIDIARY

潍坊德润化学有限公司是隶属于山东旭业新材料有限公司的全资子公司,是专注于间苯二甲酸衍生物产品研发和生产的企业。公司成立于2009年12月，位子山东潍坊昌邑市滨海（下营）经济开发区滨海路，公司占地面积62000平方米。潍坊德润化学有限公司拥有目前世界最大的、采用国内最先进生产工艺的三单体（SIPM）和间苯二甲酸-5-磺酸钠(5-SSIPA）生产装置。间苯二甲酸二甲酯-5-磺酸钠生产能力达到8000吨/年，间苯二甲酸-5-磺酸钠（5-SSIPA）生产能力3000吨/年。产品远销欧洲、美国、韩国、印度、台湾等国家和地区。

潍坊德润化学有限公司牢牢掌握间苯二甲酸衍生物行业的技术制高点，保证生产一代、储备一代、研发一代，保持公司强有力的发展后劲。间苯二甲酸二甲酯-5-磺酸钠通过山东省科技厅组织的技术鉴定，生产工艺达到国内先进水平，间苯二甲酸-5 -磺酸钠获得国家发明专利，两种产品皆具有独立知识产权。新开发的间苯二甲酸-5-磺酸锂产品，填补了国内空白。

· Derun

Weifang Derun Chemical Co., Ltd. is the wholly-owned subsidiary of Shandong Xuye New Materials Co., Ltd. It is specialized in the research, production and distribution of isophthalic acid derivatives. The company was established in December, 2009, located in Changi Binhai (Xiaying) Economic Development Zone, Weifang, Shandong, China. It covers an area of 62,000m^2, with first-class technology, equipments, management, production, and sales team.

Weifang Derun Chemical Co., Ltd. has the largest production equipment of SIPM and 5-SSIPA in the world and take the most advanced production technology in the domestic. Both of the two products have independent intellectual property rights and technical patents. Products are exported to Europe, the United States, Korea, India, Australia and other countries and areas.

Weifang Derun Chemical Co., Ltd. leads the industry of domestic isophthalic acid derivatives industry in China in production, reservation, research and development to maintain a strong momentum for the company's development. Dimethyl-5-Sulfoisophthalate Sodium Salt (SIPM) has passed the technical appraisal organized by the Science and Technology Department of Shandong Province, and the production process has reached the advanced level in China.5-Sulfoisophthalic Acid Monosodium Salt (5-SSIPA) has obtained the national invention patent, and both products have independent intellectual property rights. The newly developed products of lithium isophthalate-5-sulfonate fill the domestic gap.

CPVC RESIN

氯化聚氯乙烯——Chlorinated polyvinyl chloride

CPVC是由PVC树脂进一步氯化改性制得的一种新型工程塑料。氯化聚氯乙烯具有优良的溶解特性，良好的电绝缘性，热塑性和成膜性，化学性能极为稳定，耐腐蚀，耐水，不易燃烧能溶于酮、氯代烃、芳烃、酯及部分醇类。适用于生产消防、冷热水、化工用管材、管件，并可作为粘合剂和涂料等的原材料。

Chlorinated polyvinyl chloride(CPVC) is a new engineering plastic that is produced by further chlorinating modified PVC resin.CPVC has good solubility, electrical insulating property, thermoplasticity and film property. It has stable chemical insulation property, corrosion resistance, water proof, difficult to ignite; it is soluble in ketone, chorinated hydroncarbon, aromatic hydrocarbon, ester and part of alcohol.

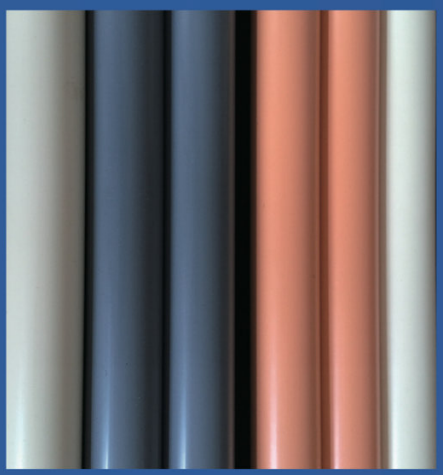
It is used in the production of pipes and fittings for fire protection, hot and cold water, industrial applications, as well as serving as raw materials for adhesives and coatings.

产品物性：白色粉末状。
贮存运输：贮存于通风干燥处，防潮，防晒，防火。忌与其他化学品混放。

Product properties:White powder
S&T:It should be stored in dry and ventilated place, and avoid moisture, sunlight and fire; Avoid to be placed together with other chemical products.

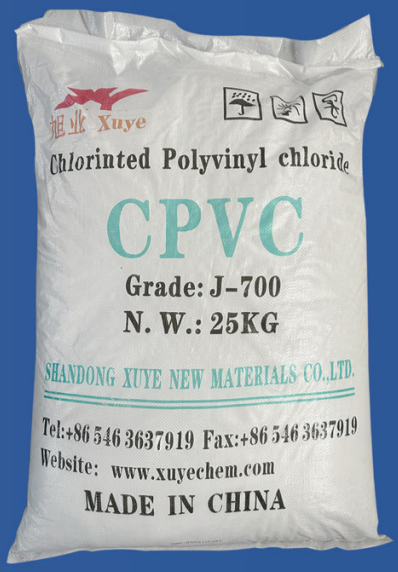






CPVC树脂

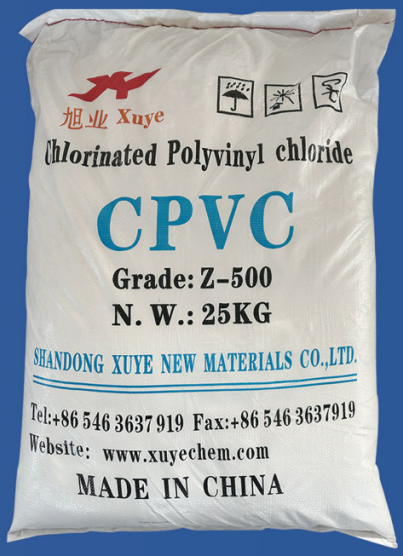
CPVC指标



项目	型号及指标			
	J-700	Z-500	N-500	T-500
外观	白色粉末	白色粉末		
颗粒度（40 目）%	≥98	≥98	≥98	≥98
含氯量%	65-70	64-65	63-64	61-62
挥发份%	≤0.3	≤0.3	≤0.3	≤0.3
维卡温度℃	≥110	≥103		
静态热稳定S	≥60	≥60	≥40	≥40

型号	用途
J-700	挤出级，主要用于 CPVC 管材，型材的挤出
Z-500	注塑级，主要用于CPVC管件等注塑
N-500	粘合剂级
T-500	涂料级

CPVC Index



Item	Model and index			
	J-700	Z-500	N-500	T-500
Appearance	white powder	white powder		
Granularity (40 item)%	≥98	≥98	≥98	≥98
Chlorine content%	65-70	64-65	63-64	61-62
Volatile matter%	≤0.3	≤0.3	≤0.3	≤0.3
Vicat temperature℃	≥110	≥103		
Static thermal stability S	≥60	≥60	≥40	≥40

Model	Application
J-700	Extrusion grade.
Z-500	Injection grade.
N-500	Adhesive grade
T-500	Coating grade

CPVC COMPOUND

氯化聚氯乙烯混配料

自主研发的氯化聚氯乙烯混配料，可直接适用于各种挤出及注塑，其主要用于CPVC冷热水管材、管件，工业管材、管件以及消防管材、管件的生产。

使用我司CPVC混配料生产的产品具有抗腐蚀、耐化学性、高阻燃性、低膨胀率、低细菌生长性等众多优点。

主要型号：挤出级混配料（J-700C），注塑级混配料（Z-500C）

贮存运输：贮存于通风干燥处，防潮，防晒，防火。忌与其他化学品混放

The independently developed CPVC compound can be directly used for various extrusion and injection molding processes.It is primarily used for the production of CPVC cold and hot water pipes, fittings, industrial pipes and fittings, as well as fire protection pipes and fittings.

The products made with our company's CPVC compound have many advantages, such as corrosion and chemical resistance, high flame retardancy, low expansion rate, and minimal bacterial growth.

Main products: Extrusion Grade J-700C

Injection Grade Z-500C

S&T:It should be stored in dry and ventilated place, and avoid moisture, sunlight and fire; Avoid to be placed together with other chemical products.

氯化聚氯乙烯管材混配料

CPVC PIPE COMPOUND

NSF International
789 N. Dixboro Road, Ann Arbor, MI 48105 USA

RECOGNIZES

Shandong Xuye New Materials Co., Ltd.
Facility: Changyi, Shandong, China

AS COMPLYING WITH NSF/ANSI/CAN 61 AND ALL APPLICABLE REQUIREMENTS.
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE
AUTHORIZED TO BEAR THE NSF MARK.

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March 8, 2024
Certificate# C0786473 - 01

David Purkiss
VP Water

氯化聚氯乙烯管件混配料

CPVC FITTING COMOUND

NSF International
789 N. Dixboro Road, Ann Arbor, MI 48105 USA

RECOGNIZES

Shandong Xuye New Materials Co., Ltd.
China

AS COMPLYING WITH NSF/ANSI/CAN 61 AND ALL APPLICABLE REQUIREMENTS.
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE
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March 8, 2024
Certificate# C0784570 - 01

David Purkiss
VP Water

J-700C





项目	测试方法	单位	测试指标
比重	ASTM D792	g/cm³	1.45-1.65
维卡软化点温度	ASTM D1525 0.49MPa(4.9Kg)	℃ ℉	≥110 ≥230
外观			象牙白/灰色/橙色
拉伸强度	ASTM D638	Mpa Psi	≥50 ≥7540
弹性模量	ASTM D638	Mpa	≥2758
可燃性 UL94	ASTM D635		V-0
艾佐德冲击强度	ASTM D256	Kg/cm/c ㎡ Ft-Lbs/m	≥8.1 ≥1.5

Specifications	Testing method	Unit	Test value
Density	ASTM D792	g/cm³	1.45-1.65
Vicat Softening Temperature	ASTM D1525 0.49MPa(4.9Kg)	℃ ℉	≥110 ≥230
Color			Ivory white/Gray/Orange
Tensile Strength at Yield	ASTM D638	Mpa Psi	≥50 ≥7540
Modulus of elasticity tension min	ASTM D638	Mpa	≥2758
Flammability UL94	ASTM D635		V-0
Impact strength (IZOD) notch min	ASTM D256	Kg/cm/c ㎡ Ft-Lbs/m	≥8.1 ≥1.5

Z-500C





项目	测试方法	单位	测试指标
比重	ASTM D792	g/cm³	1.45-1.65
维卡软化点温度	ASTM D1525 0.49MPa(4.9Kg)	℃ ℉	≥103 ≥217.4
外观			象牙白/灰色/橙色
拉伸强度	ASTM D638	Mpa Psi	≥50 ≥7540
弹性模量	ASTM D638	Mpa	≥2758
可燃性 UL94	ASTM D635		V-0
艾佐德冲击强度	ASTM D256	Kg/cm/c ㎡ Ft-Lbs/m	≥8.1 ≥1.5

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Modulus of elasticity tension min	ASTM D638	Mpa	≥2758
Flammability UL94	ASTM D635		V-0
Impact strength (IZOD) notch min	ASTM D256	Kg/cm/c ㎡ Ft-Lbs/m	≥8.1 ≥1.5

旭 业 Xuye

XUYE CPVC SUPERPACK

Product Introduction:

XUYE CPVC SUPERPACK consists of various chemicals and additives, provides excellent heat stability, gives wider processing window suitable with most of the commercially available CPVC Resin and meets all standards.

ONEPACK GRADE	CPVC PIPE RESIN DOSAGE(KG)	ONEPACK DOSAGE(KG)
SP31-H	75	25
SP31-D	75	25
SP32-H	75	50
SP32-D	75	50
SP41-H	100	25
SP41-D	100	25

Product Features:

- Matches most CPVC Resin and no worries about formula
- Reduces time and energy consumption in production process
- Insures a great and smooth manufacturing capability to get desired performance
- Available customized formula



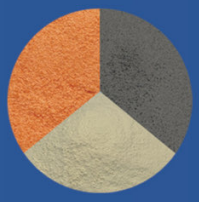


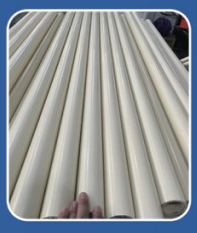
CPVC RESIN SUPERPACK

Formula Upgrade
Technical Service



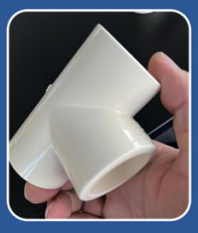
CPVC COMPOUND











Shandong Xuye New Materials Co., Ltd.
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E-mail: sales@xuyechem.com Website: http://www.xuyechem.com

旭 业 Xuye

XUYE CPVC MBS Impact Modifier



Product Introduction:

Impact Modifier for Processibility Improvement of CPVC

Product Features:

- Improves impact properties while having little effect on other physical properties
- Good impact resistance at room temperature
- Excellent processing properties with low temperature
- Excellent surface finish and rigidity retention
- Good weather resistance and low temperature toughening

Product Specifications:

Item	MBS B535 (pipe grade)	MBS B515 (fitting grade)
Appearance	White powder	
Content	99.5%	

Product Packaging:

20KG/bag, PP bag or kraft paper bag with PE inner bag.



Shandong Xuye New Materials Co., Ltd.
No.2 Heqing Road, Hekou District, Dongying, Shandong, China
Tel: 0086-546-3637919 Fax: 0086-546-3637919
E-mail: sales@xuyechem.com Website: http://www.xuyechem.com

Kpren CPE



氯化聚乙烯 Kpren® CPE

氯化聚乙烯（CPE），注册商标：Kpren®。

其为一种热塑性弹性体，具有优良的耐热、耐候、耐油、阻燃、耐化学、耐臭氧等性能，既可以作为PVC硬制品的抗冲击改性剂，大量的用于塑料门窗生产和管材生产；又能作为特种橡胶取代氯丁橡胶，用于电线电缆和胶管胶带行业。

Kpren® CPE同时也是一种低能耗、无污染产品。它的广泛推广，取代其他有机合成材料，既符合国家的能源节约政策和环境保护政策，又与国家的产业结构调整方向和建设资源节约型社会的要求相一致，对于改造传统产业，发展国民经济，发挥重要作用。

Kpren® CPE按性能的不同，可分为十种牌号，不同的牌号，性能具有差异化，用户可根据需求选择。

Chlorinated polyethylene (CPE) , The registered trademark is Kpren®.

Kpren® CPE is a thermoplastic elastomer, which has the performances like: heat-resisting, weather-proof, oil resistance, inflaming retarding, chemical resistance, ozone resistance, etc. It can be used as impact modifier for PVC hard product, which is largely used in the production of plastics doors and windows and the production of tubing. It can also be used as special rubber to replace neoprene, used in electric wire and hose tape industries.

Kpren® CPE is a low-energy, no pollution product. The use of this product plays an important role in the transform of traditional industries and development of national economy.

According to the difference of Kpren® CPE performances, they are divided into ten grades. Users can choose according to their demands.

项目 Item	单位 Unit	测试方法	A 型 Model A			B 型 Model B						C 型 Model C
		Test method	135A	135AH	130A	CM435	CM335	CM235	130B	135B	140B	135C
挥发份 Volatile matter	%	GB/T2914 ISO 1269	≤0.4%	≤0.4%	≤0.5%	≤0.5%	≤0.5%	≤0.5%	≤0.5%	≤0.5%	≤0.5%	≤0.5%
氯含量 Chlorine content	%	GB/T7139 ISO 1159	35±2%	35±2%	30±2%	35±2%	35±2%	35±2%	30±2%	35±2%	45±2%	35±2%
拉伸强度 Tensile strength	Mpa	GB/T528 ISO 37			≥8.0	≥11.0	≥9.0	≥8.0	≥7.0	≥8.0	≥9.0	≥8.5
断裂伸长率 Elongation at break	%	GB/T528 ISO 37			≥800	≥700	≥800	≥850	≥600	≥650	≥600	≥600
邵氏硬度 Shore hardness	A	GB/T531.1 ISO 7619	60±5	50±5	≤60	≤57	≤56	≤55	≤60	≤57	≤58	≤62
门尼粘度 125℃（1+4） Mooney viscosity 125℃(1+4)		GB/T1232.1 ISO 289-1	100±5	90±5	85±5	75±5	65±5	55±5	75±5	85±5	85±5	72±2 121℃ (1+4)
筛余物（0.9mm 筛孔） Residue on sieve (0.9mm sieve pore)	%	GB/T2916 ISO 4610	≤2%	≤2%								
表观密度 Performance density	g/ml		≥0.48	≥0.48								
杂质粒子数（个/100g） Impurity particle number (one/100g)	pes/100g	GB/T9348 ISO 1625	≤30	≤30								
热稳定时间 Hot stable time	min		≥8	≥8								



间苯二甲酸二甲酯—5—磺酸钠 SIPM
Dimethy-5-Sulfoisophthalate Sodium Salt

间苯二甲酸二甲酯—5—磺酸钠（SIPM）主要用于涤纶，胶片等方面。其中涤纶主要的应用领域，主要作为阳离子改性聚酯CDP的第三单体。由于 CDP纤维中含有磺酸基，所以对阳离子染料具有良好的亲和性能，其染色的纤维色泽鲜艳，色谱齐全并可深染，因而这种纤维在国外发展很快，其中日本，美国改性聚酯纤维占总产量的15%以上。改性的纤维具有毛型感，易与羊毛混纺，适用于冬季男女服装的面料。

贮存运输：贮存于通风干燥处，防潮，防晒，防火。忌与其他化学品混放。 包装：聚丙烯编织袋或纸袋包装。每袋净重500KG，25KG或根据客户要求而定。

Dimethy-5-Sulfoisophthalate Sodium Salt (SIPM) Is mainly used in D- acron,film and other aspects. Since there is sulfo group in CDP fiber, it has good affinity performance to cationic dyes. Modified fibres easy for wool blend, so it is suitable for winter clothing fabrics.

S&T: It should be stored in dry and ventilated place, and avoid moisture, sunlight and fire;Avoid to be placed together with other chemical products. Packing:It is packed with polypropylene woven bag or paperbag. The net weight is 500kg, 25kg or according to customers' demands.

指标名称	优级品
外观	无可见杂质的白色粉末酸值
酸值（mg KOH / g）≤	0.6
皂化值（mg KOH / g）	376-380
硫酸根 ppm≤	100
水分（Wt%）≤	0.2
铁 ppm≤	4
吸光度≤	0.05
氯离子 ppm≤	15



Index name	Premium grade
Appearance	No see impurity white powder
Acid value (mg KOH / g) ≤	0.6
Saponification value (mg KOH / g)	376-380
Sulfate radical ppm≤	100
Moisture (Wt%) ≤	0.2
Ferrum ppm≤	4
Absorbance≤	0.05
Chloridion ppm≤	15



间苯二甲酸—5—磺酸钠 5-SSIPA

5- (SODIOSULFO) ISPHTHALICACID

间苯二甲酸—5—磺酸钠（5—SSIPA）

可用于直接酯化法合成涤纶聚酯的生产，作为第三单体加入起到改善产品染色性能的作用，也可作为医药、农药、聚酯的中间体和改性剂，从而广泛应用于诸多行业。

物化性能：本产品为白色结晶粉末，易溶于水。

分子式：C8H5O7SNa

分子量：268.24 熔点：300℃

贮存运输：贮存于通风干燥处，防潮、防晒、防火。忌与其他化学品混放。

包装：聚丙烯编织袋或纸袋包装。每袋净重500kg、25kg或根据客户要求而定。

Application: it can be used in the production of Dacron polyester;used as intermediate and modifier for pharmaceutical, pesticide and polyester.

Physicochemical properties: This product is white crystal powder, soluble in water.

Molecular formula: C8H507SNa

Molecular weight: 268.24

Melting point: 300℃

S&T: It should be stored in dry and ventilated place, and avoid moisture, sunlight and fire;Avoid to place together with other chemical products.

Packing: It is packed with polypropylene woven bag or paper bag. The net weight is 500kg, 25kg or according to customers' demands.

项目	标准要求		
	优级品	一级品	合格品
20%水溶液	无悬浮物、无沉淀清澈液体	—	—
色度（20%水溶液，铂-钴）号≤	20	20	20
40%EG色度（铂-钴）号≤	50	60	100
吸光度≤	0.40	—	—
酸值，mgKOH / g	415~421	415~421	415~421
含量，%≥	99.0	99.0	99.0
硫酸盐（以SO4计）含量，mg / kg≤	500	500	500
铁(Fe)含量，mg / kg≤	5	8	10
氯化物（以C1计）含量，mg/kg≤	10	15	20
水分，%≤	0.50	0.50	1.0
PH值	1.8~2.2	—	—

Item	Standard requirement		
	Premium grade	First grade product	Qualified proudct
20% water solution	No suspended matter no sediment clear liquid	—	—
Chromaticity,(20%watersolutionplatinum-cobalt)number≤	20	20	20
40%EGChromaticity (platinum-cobalt)number≤	50	60	100
Absorbance≤	0.40	—	—
Acid value，mgKOH / g	415~421	415~421	415~421
Content，%≥	99.0	99.0	99.0
Sulfate (Counted by SO4) Content，mg / kg≤	500	500	500
Ferrum (Fe) Content，mg / kg≤	5	8	10
Chlorede (counted by C1) Coentent mg/kg ≤	10	15	20
Moisture，%≤	0.50	0.50	1.0
PH value	1.8~2.2	—	—

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DERUN 德润化学

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