



# ROYAL CROWN ADDITIVES

宝冠助剂



[www.ibaoguan.com.cn](http://www.ibaoguan.com.cn)

# ABOUT 关于宝冠

## >>> ROYAL CROWN

宝冠总部位于国家政治文化中心北京市城市副中心，是一家以新产品研发和制造的高科技民营企业。公司于2001年正式成立，依托产业链及产业平台深化发展，自主研发和生产相关助剂，产品涵盖专用化学、新材料、石油化工、纺织助剂、食品添加剂等众多应用领域，具备年产能20万吨。

宝冠始终致力于创新发展、绿色发展、开放发展、共享发展的长远战略，逐步打造成多元化、现代化、国际化、具有新质生产力的高质量效益型企业集团。

2001年  
公司成立

20万吨  
年产

Headquartered in the sub-center of Beijing City, the national political and cultural center, Royal Crown is a high-tech private enterprise that develops and manufactures new products. The company was formally established in 2001, relying on the deepening development of the industrial chain and industrial platform independent research and development and production, the products cover special chemicals, new materials, petrochemicals, textile auxiliaries, food additives and many other application fields, with yearly production capacity of 200,000 tons.

Royal Crown has always been committed to the long-term strategy of innovative development, green development, open development and shared development, and gradually built into a diversified, modern, internationalized high-quality and cost-effective enterprise group with new quality productivity.

### 为实现共同愿景，公司坚持：

To achieve a common vision, the company adheres to:

#### 1. 企业价值理念：

宝冠是全体员工的利益共同体、事业共同体和命运共同体！做低碳、绿色、可持续发展的数字化、可追溯性的现代化工厂。

#### 1. Enterprise Value Concept:

Royal Crown is a community of interests, cause and destiny for all employees, and a modern factory with low-carbon, green and sustainable development of digitalization and traceability.

#### 2. 经营理念：

顺势而变、诚信守诺、科技领先、勇于超越。

#### 2. Business Philosophy:

Change with the trend, integrity and commitment, leading technology, and the courage to surpass.

#### 3. 领导理念：

明确战略，展示愿景；理顺关系，保护热情；培育文化，激发活力。

#### 3. Leadership Philosophy:

Clarify strategy, show vision, straighten out relationships, protect enthusiasm, cultivate culture, and stimulate vitality.

#### 4. 管理理念：

激励积极努力、规范业务流程、制约违规行为、促进协作共生。

#### 4. Management Philosophy:

Encourage active efforts, standardize business processes, restrict violations, and promote collaboration and symbiosis.

#### 5. 服务理念：

以爱为导向，以客户需求为中心。

#### 5. Service Concept:

Love-oriented, customer demand as the center.

#### 6. 领域理念：

生产制造、委托加工，做好具有针对性、专业性以服务为业态的数字化现代工厂。

#### 6. Field Concept:

Manufacturing, commissioned processing, and doing a good job in a targeted, professional and service-oriented digital modern factory.

#### 7. 为人理念：

坚定信念，始终如一，不忘初心，自尊自律，顾全大局，奉献服务，为国家新质生产力事业贡献民营力量。

#### 7. Philosophy of People:

Keep firm faith with consistency, never forget the original intention, self-esteem and self-discipline, consider the overall situation, dedicate service, and contribute to the cause of new quality productivity for the country.

# ACRYLIC FIBERS

## 腈纶纤维通用油剂

北京宝冠助剂有限公司

www.ibaoguan.com.cn

—  
乳化剂系列

**ADDITIVES**

### 化学组成

非离子、阴离子型表面活性剂复合物。

### 性能

本油剂是我公司针对聚丙烯腈原丝在干燥致密化之前，需要增强纤维的抱合力，抗静电，预氧化，要耐高温等要求，以提高原丝的亲水性，集束性，分纤性及加工性能，自主研发出的新型高效油剂，其稳定性好，泡沫少，耐热性良好。经过反复在PAN原丝上试用，表现出明显的稳定性、亲水性、集束性、柔软性、分纤性的特点。

### 用途

广泛用于纺织行业，对腈纶、棉、麻、丝、毛织物整理具有显著作用。

### 包装

160公斤塑料桶。

### 贮运

本品属非易燃易爆危险品。按一般物品运输。保存在干燥、阴凉、通风处，避免冰冻。保质期一年。



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# ACRYLIC FIBERS

Beijing Royal Crown Additives Co., Ltd

[www.ibaoguan.com.cn](http://www.ibaoguan.com.cn)

**EMULSIFIER SERIES**

## Chemical Composition

Complex of non-ionic and anionic surfactants.

## Performance

This oil agent is a new high-efficiency oil agent independently developed by our company to meet the requirements of strengthening fiber cohesion, anti-static, pre oxidation and high temperature resistance before drying and densification of polyacrylonitrile precursor, so as to improve the hydrophilicity, clustering, fiber separation and processing performance of the precursor. It has good stability, less foam and good heat resistance. After repeated trials on PAN precursor fibers, it has shown obvious characteristics of stability, hydrophilicity, bundling, softness, and fiber splitting.

## Purpose

Widely used in the textile industry, it has a significant effect on the finishing of acrylic, cotton, linen, silk, and wool fabrics.

## Packing

100 kg plastic packaging drums.

## Storage and transportation

This product belongs to non flammable and explosive hazardous materials. Transport as general flammable materials. Store in a dry, cool, and ventilated place, avoiding freezing. Shelf life is one year.



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# CARBON FIBRE

## 碳纤维油剂

北京宝冠助剂有限公司

www.ibaoguan.com.cn

乳化剂系列

ADDITIVES

### 化学组成

非离子、阳离子及硅系复配物。

### 性能

本油剂可以有效改进碳纤维的亲水性,提高原丝的集束性和耐高温性能,提高丝束的加工性能,减少丝毛率。

### 质量指标

外观	白色乳液
含量 (%)	30±1
PH值	6~7

### 用途

主要用于聚丙烯腈原丝生产,制备高性能碳纤维。

### 使用方法

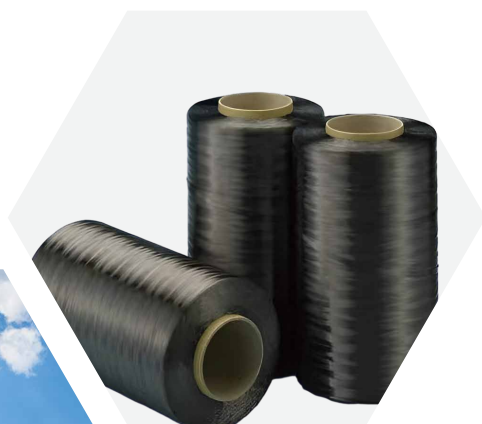
将本品用去离子水调配成3-10%乳液,采用浸渍上油法给碳纤维前驱体腈纶纤维上油。

### 包装

200公斤塑料桶。

### 贮运

本品为非易燃易爆危险品。按一般物品运输。保存在干燥、阴凉、通风处,避免冰冻。保质期6个月。



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# CARBON FIBRE

Beijing Royal Crown Additives Co., Ltd

[www.ibaoguan.com.cn](http://www.ibaoguan.com.cn)

**EMULSIFIER SERIES**

## Chemical Composition

Non ionic, cationic, and siliceous complexes.

## Performance

This oil agent can effectively improve the hydrophilicity of carbon fibers, enhance the bunching and high-temperature resistance of the precursor fibers, enhance the processing performance of the tow fibers, and reduce the fiber fuzz rate.

## Quality Index

exterior	White lotion
Content (%)	$30 \pm 1$
PH value	6~7

## Purpose

Mainly used for the production of polyacrylonitrile precursor and the preparation of high-performance carbon fibers.

## Usage

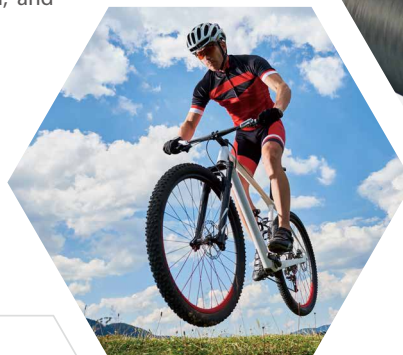
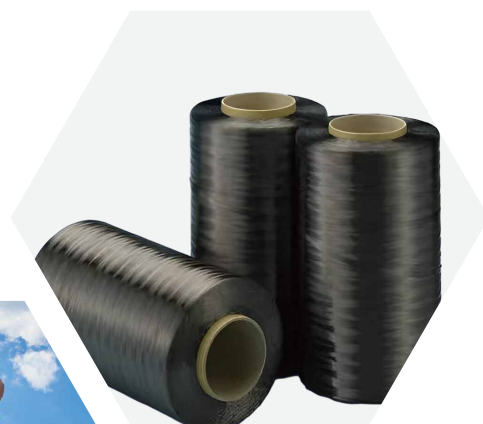
The product is formulated into 3-10% lotion with deionized water, and the carbon fiber precursor acrylic fiber is oiled by dipping and oiling method.

## Packing

200kg plastic packaging drums.

## Storage and transportation

This product is a non flammable and explosive hazardous material. Transport as general flammable materials. Store in a dry, cool, and ventilated place, avoiding freezing. The shelf life is 6 months.



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# VISCOSE FIBER

## 粘胶短纤维油剂

北京宝冠助剂有限公司

www.ibaoguan.com.cn

乳化剂系列

ADDITIVES

### 化学组成

非离子、阴离子表面活性剂复合物

### 性能

本油剂是我公司自主研发的新型高效油剂。该油剂上油效果好,可赋予纤维良好的平滑性和抱合性,手感柔软、清爽、纤维的动静摩擦系数适当、可纺性好,能使纤维顺利通过纺织厂各道加工工序,大大提高粘胶短纤的产品质量。该粘胶短纤油剂使用方便,与水有良好的相溶性,易退油,耐高温,保证纺织工序优异的工序通过性,是一种理想的粘胶短纤油剂。

### 质量指标

外观	白色或黄色膏状体
含量%	≥90
PH值	6.0—8.0

### 包装

塑料桶包装,净重200kg/桶。

### 贮运

本品为非易燃易爆危险品。按一般物品运输。保存在干燥、阴凉、通风处。保质期一年。



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# VISCOSE FIBER

Beijing Royal Crown Additives Co., Ltd

[www.ibaoguan.com.cn](http://www.ibaoguan.com.cn)

**EMULSIFIER SERIES**

## Chemical Composition

Complex of non-ionic and anionic surfactants

## Performance

This oil agent is a new type of high-efficiency oil agent independently developed by our company. This oil agent has a good oiling effect and can give fibers good smoothness and adhesion, with a soft touch. Smooth, appropriate dynamic and static friction coefficient of fibers, and good spinnability can enable fibers to pass smoothly through textiles. The various processing steps of the factory greatly improve the product quality of adhesive short fibers. This adhesive short fiber oiling agent is easy to use, has good compatibility with water, is easy to remove oil, and is resistant to high temperatures, ensuring excellent process throughput in textile processes. It is an ideal adhesive short fiber oiling agent.

## Quality Index

Exterior	White or yellow paste like substance
Content%	≥ 90
PH value	6.0-8.0

## Packing

Plastic packaging drum, net weight 200kg/drum.

## Storage and transportation

This product is a non flammable and explosive hazardous material. Transport as general flammable materials. Store in a dry, cool, and ventilated place. Shelf life is one year.



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# VISCOSE FIBER

## 粘胶长丝油剂

北京宝冠助剂有限公司

www.ibaoguan.com.cn

乳化剂系列

ADDITIVES

### 粘胶长丝油剂

#### 性能

本品为粘胶纤维用纺丝油剂,本品具有优良的乳化、增溶和分散性能。能够赋予纤维极佳的抱合度和显著的丝鸣感,使纤维具有极佳的手感和良好的加工性能;上油后的成品纤维具有适当的动静摩擦系数和良好的比电阻值,能够减少纺丝过程中因静电而带来的各种问题,降低纤维残渣。对各种纺织设备具有良好的适用性。

#### 质量指标

外观(25°C)	无色至淡黄色透明 粘稠液体
有效组分%	≥50
pH值(5%水溶液)	10-11

#### 包装

塑料桶包装,净重200kg/桶。

#### 贮运

本品为非易燃易爆危险品。按一般物品运输。保存在干燥、阴凉、通风处。保质期一年。

#### 使用方法

1、将本油剂和浆料按比例混合均匀后,边搅拌边加入30-50°C的去离子水,维持40-60°C的温度,搅拌2h,配成均一的乳液。

2、推荐使用配比:

长丝油剂:浆料=6:4

母液浓度:100-200 g/L

工作液浓度:8-12g/L

上油方式:淋洗式

加入位置:后高压轧车前

烘干温度:140°C以下

上油率:0.20-0.40%



### 粘胶长丝浆料

#### 性能

本品为粘胶纤维用纺丝专用浆料,为有机化合物,外观是白色粉末状固体,无味,溶于水。本品具有优良的乳化、增溶和分散性能。与粘胶油剂按一定比例配制后具有良好的粘着性、成膜性。能赋予粘胶纤维滑爽牢固的涂层,大大降低纤维残渣产生。

#### 质量指标

外观(25°C)	白色粉末
粘度(mPa.s)	4.5-6.6
纯度(%)	≥94

#### 包装

编织袋包装,净重25kg/袋。

#### 贮运

本品为非易燃易爆危险品。按一般物品运输。保存在干燥、阴凉、通风处。保质期一年。

#### 使用方法

1、将本浆料和油剂按比例混合均匀,边搅拌边加入30-50°C的去离子水,维持40-60°C的温度,搅拌2h,配成均一的乳液。

2、推荐使用配比:

浆料:油剂=4:6

母液浓度:100-200 g/L

工作液浓度:8-12 g/L

上油方式:淋洗式

加入位置:后高压轧车前

烘干温度:140°C以下

上油率:0.20-0.40%



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# VISCOSE FIBER

Beijing Royal Crown Additives Co., Ltd

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EMULSIFIER SERIES

## Viscose filament oil agent

### Performance

This product is a spinning oil for viscose fibers, which has excellent emulsifying, solubilizing, and dispersing properties. It can endow the fibers with excellent adhesion and significant silky texture, giving them excellent hand feel and good processing performance; The finished fibers after oiling have appropriate dynamic and static friction coefficients and good specific resistance values, which can reduce various problems caused by static electricity during the spinning process and reduce fiber residue. It has good applicability to various textile equipment.

### Quality Index

Appearance (25°C)	Colorless to light yellow transparent viscous liquid
Effective component%	≥ 50
PH value (5% aqueous solution)	10-11

### Packing

Plastic packaging drum, net weight 200kg/drum.

### Storage and transportation

This product is a non flammable and explosive hazardous material. Transport as general flammable materials. Store in a dry, cool, and ventilated place. Shelf life is one year.

### Usage

1. After mixing the oil agent and slurry in proportion, add 30-50 °C deionized water while stirring, maintain 40-60 °C temperature, stir for 2h, and prepare a uniform lotion.
2. Recommended mix ratio:  
Filament oil agent: slurry=6:4  
Mother liquor concentration: 100-200 g/L  
Working fluid concentration: 8-12g/L  
Oil application method: rinsing type  
Joining position: in front of the rear high-pressure rolling mill  
Drying temperature: below 140 °C  
Oil rate: 0.20-0.40%



## Viscose filament slurry

### Performance

This product is a special spinning slurry for viscose fibers, which is an organic compound with a white powder appearance. Solid, odorless, soluble in water. This product has excellent emulsifying, solubilizing, and dispersing properties. After being prepared in a certain proportion with adhesive oil, it has good adhesion and film-forming properties. It can provide a smooth and firm coating to the adhesive fibers, greatly reducing the generation of fiber residues.

### Quality Index

Appearance (25°C)	White powder
Viscosity (mPa. s)	4.5-6.6
Purity (%)	≥ 94

### Packing

Woven bag packaging, net weight of 25kg/bag.

### Storage and transportation

This product is a non flammable and explosive hazardous material. Transport according to general items. Store in a dry, cool, and ventilated place. Shelf life is one year.

### Usage

1. Mix the slurry and oil agent evenly in proportion, add 30-50 °C deionized water while stirring, maintain 40-60 °C temperature, stir for 2h, and prepare a uniform lotion.
2. Recommended mix ratio:  
Slurry: Oil agent=4:6  
Mother liquor concentration: 100-200 g/L  
Working fluid concentration: 8-12 g/L  
Oil application method: rinsing type  
Joining position: in front of the rear high-pressure rolling mill  
Drying temperature: below 140 °C  
Oil rate: 0.20-0.40%



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### 北京宝冠助剂有限公司

中国·北京城市副中心

**Beijing Royal Crown Additives Co., Ltd**

Beijing Municipal Administrative Center, China

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### 宝冠新材料科技（山东）有限公司

中国山东·德州（禹城）国家高新技术产业开发区富华街

**Royal Crown New Materials Technology (Shandong) Co., Ltd**

Fuhua Street, Dezhou (Yucheng) National High-tech Industrial Development Zone, Shandong, China

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