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湖北玉立砂带集团股份有限公司 **2015**  
HUBEI YULI ABRASIVE BELTS GROUP CO.,LTD.  
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## 菱形防堵塞系列产品

Rhombus-shaped abrasive products

### 超强防堵 锋利耐磨

Super-strong anti-clogging High efficiency



# Introduction of Rhombus-shaped products

## ●● 菱形产品简介

据国际行业研究机构表明，市场上已超过70%以上的涂附磨具，均不是因为使用中的正常消耗和磨损而是因为砂面被磨屑堵塞导致磨削寿命提前终结。所以，多少年来，该行业的各类研究人员也都在想方设法的考虑怎样解决涂附磨具的抗堵塞问题。

玉立集团潜心研制的菱形防堵塞系列产品（包括各种间隔式植砂工艺的产品）就是一款具有超强防堵、锋利耐磨、使用寿命长、磨削效率高的好产品。该系列产品采用特殊的“间隔式”植砂工艺制造，在磨削中产生的锯齿效应更有利于排出磨屑，使产品具有优异的防堵和散热功能。现经过各种测试和客户反馈，该产品在机械打磨时自动脱屑，手工打磨不发热、不烫手。特别是针对各类软金属如铝、铜、锌以及非金属如木材、墙壁、腻子、石材等所有打磨中容易堵塞的材料，菱形涂附磨具产品磨削效率及使用寿命要比普通产品高出最少50%至2倍以上，具有超高的性价比和市场竞争优势。

该产品外形美观、砂面独特，除了采用菱形排列之外，玉立还可以生产其它多种形状，如三角形、圆点形等等。我们已经申请了中国、欧盟及全球多数国家的专利保护，中国专利名称及授权号：菱形防堵塞砂带ZL201020175256.3，三角形防堵塞砂盘ZL201220217611.8，间隔式植砂自动排屑研磨涂附磨具ZL201220593522.3等，包括所有采用间隔式植砂方式生产的产品均在玉立专利保护范围之内。

目前该系列产品已远销东南亚和欧美等市场，受到所有经销客户和终端用户的一致称赞，意大利客户已将玉立的该菱形防堵塞产品取代一些国际知名品牌产品，应用到法拉利汽车、LV皮具等高档奢侈品的抛光打磨上。国内电子行业的一些知名品牌及大型生产企业在试用了玉立菱形产品后，对其超强防堵，锋利耐磨的效果亦非常满意，目前已全面应用到手机外壳、电脑外壳等金属和非金属的打磨上。另外该产品在碳纤行业、造船行业、金属行业均有不俗的表现，还已广泛应用于家具、木器、墙体、水暖器材、大型板材、汽车外壳和油漆腻子打磨、运动器材抛磨、各种电子产品表面处理、金属表面拉丝等等多个领域。

### Introduction of Rhombus-shaped products

The international industry research institute shows the lifetime of more than 70% coated abrasives are so short, not because of the normal removal and abrasion, but because of the clogging problem while using. So lots of researchers have been working hard to find how to solve this kind of problem for many years..

Rhombus-shaped products are developed by Yuli Group, which have the advantages of strong anti-clogging, sharp grinding, long lifetime & high grinding performance. This kind of items are made by special coated technology with excellent anti-clogging and heat dissipation performance. The dusts caused during grinding can be easily removed by the effect of saw-teeth. After various kinds of experiments and feedback from customers, the items are characterized by dust removal automatically while machine sanding and without too much heat generated while hand using, especially for soft metals (aluminum, copper, zinc), nonmetals and easy-loaded materials, such as wood, wall, lacquer & stone. The grinding performance and lifetime are higher 50% to 2 times than that of normal items. Good cost-performance ratio and competitive advantage are obtained..

This kind of items with a good-looking & unique surface are available from Yuli in forms of triangle and circle dot, etc. We have applied for patent protection in China, Europe and many other countries all over the world. The patent names are rhombus-shaped anti-clogging abrasive belt with authorization number ZL201020175256.3, triangle anti-clogging abrasive disc ZL201220217611.8 and automatically dust removal coated abrasive ZL201220593522.3, etc. All kinds of items with interval coating are covered in the range of patent protection.

So far, sold in Southeast Asia, Europe and America, this kind of items are warmly welcomed by all the distributors and end users. Especially one of our customer in Italy, the items have replaced some international famous brand products and widely used in some high-end luxury goods, such as Ferrari and LV leather. In China, some customers from electronic industries and large scale manufacturers are satisfied with the super anti-clogging performance and sharp grinding performance of the item. They are applied into the mobile shell, pc shell and nonmetals. Also they have good performance in the industries of carbon fiber, ship building and metals, widely used in furniture, woodware, wall, heating equipment, large panel, car shell, lacquer, sports equipment, electronics and wire drawing, etc.



**专利保护 仿冒必究**

Patented products Counterfeiting not allowed



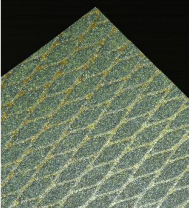
# Heavy rhombus-shaped abrasive belt

## 菱形硬布基砂带

### 1、多功能菱形强力砂带 Multi-functional rhombus-shaped abrasive belt

该砂带为多用途、多功能砂带，采用X型重型布基，产品强度高，防堵塞性能优良，且延伸率小，用途广泛，既可以转换成各种规格尺寸的砂带，用于台式砂光机或手持式砂光机对各种金属零部件、木器、家具、鞋材、塑料等进行磨削和抛光，也可以转换成宽带用于大型板材的砂光。该产品是公司GXX51-P的升级产品。

X-wt cloth backing with the advantages of high strength, good anti-clogging and low extension. Widely used to be converted into various kinds of belt equipped on the sanders or portable sanders to grind and finish metals, woodware, furniture, shoe material and plastic, etc. Also it can be converted into wide belt to sand large panels. It is the upgrade of abrasive belt coded GXX51-P.

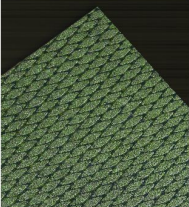
	结 构 Structure				
	基体 Backing	植砂方式 Coated structure	最大幅宽 Max.Width	耐水性 Waterproofness	
	混纺布 Blend cloth	间隔式 Interval	1400mm	良好 Good	
	形 状 Shape				粒度范围 Grit range
页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	P60—P600	
	●	●			



### 2、菱形硬布基板材砂带 Rhombus-shaped abrasive belt for panel

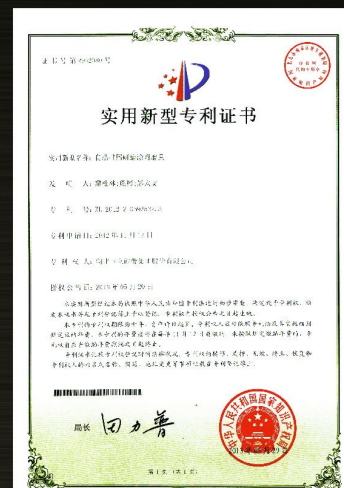
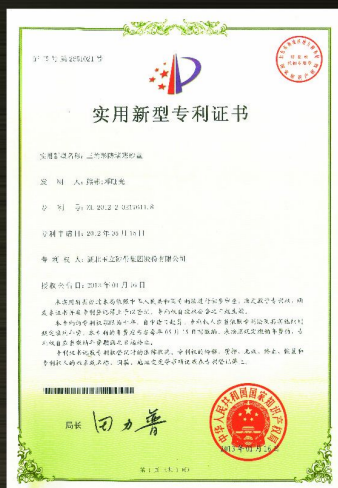
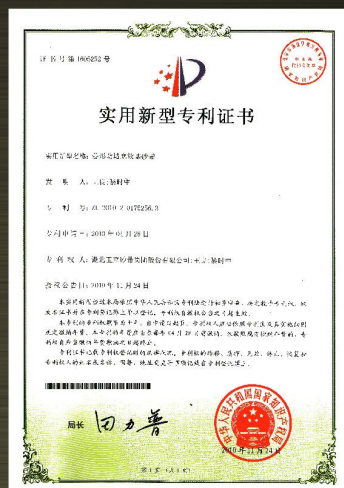
该产品为板材专用砂带，采用Y型布基，具有很高的强度、砂面平整度以及很小的延伸率，适合转换成各种规格宽带，用于纤维板、刨花板、实木板、硅酸盐板（水泥板）以及各种金属卷板的磨削、拉丝和抛光，具有磨削表面质量好，防堵性能优异，锋利高效，持久耐用等特点，与普通板材砂带相比具有更高的防堵塞效果、使用寿命和磨削效率。

Y-wt cloth backing with the advantages of high strength, good flatness and low extension. Developed specific for panel. Suitable for being converted into various kinds of wide belts to grind fiberboard, chipboard, solid board, floor slab and metal coils. It has the characteristics of improved surface quality, good anti-clogging performance, high efficiency and long lifetime.

	结 构 Structure				
	基体 Backing	植砂方式 Coated structure	最大幅宽 Max.Width	耐水性 Waterproofness	
	混纺布 Blend cloth	间隔式 Interval	1400mm	良好 Good	
	形 状 Shape				粒度范围 Grit range
页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	P60—P320	
	●	●			



## 菱形防堵塞系列产品专利证书 Certificate of patent for rhombus-shaped abrasive products

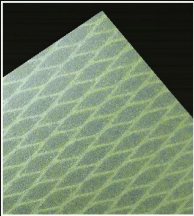




### 3、高档菱形软基砂带 High-end flexible rhombus-shaped abrasive belt

采用中软布基基体，选用高档优质磨料，产品软硬适中，强度高，延伸小，适合转换成各种规格窄带或异型产品，用于铝合金、铜、锌等易堵塞金属及木材、竹器、工艺品、塑料、水暖器材、陶瓷、电镀制品、电子产品(如手机、电脑外壳)等的磨削和抛光。

Flexible cloth backing and premium grain to make the item with the advantages of high strength and low extension. Suitable for being converted into various kinds of narrow belt and special products to grind and finish alloy,cooper, zinc,wood, bamboo ware, artware, plastic, heating equipment, ceramic, electroplates and electronics, e.g .the shell of mobile and PC.

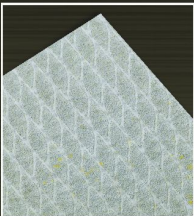
	结 构 Structure				
	基体 Backing	植砂方式 Coated structure	最大幅宽 Max.Width	耐水性 Waterproofness	
	混纺布 Blend cloth	间隔式 Interval	1400mm	良好 Good	
	形 状 Shape				粒度范围 Grit range
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	
	●	●	●	●	P60—P600



### 4、高档涂层菱形软基砂带 High-end flexible rhombus-shaped abrasive belt with anti-clogging

该产品是在高档菱形软基砂带基础上，加涂防静电涂层，打磨金属防堵性能及工件表面光洁度更为优异。主要用于各种易堵有色金属、腻子、漆面、水暖卫浴器材等的打磨和抛光。

Based on the high-end flexible rhombus-shaped abrasive belt, anti-static coating is applied to show the excellent performance on the anti-clogging and high smooth finish. Mainly used for grinding and finishing of nonferrous metals, lacquer, painting and heating equipment,etc.

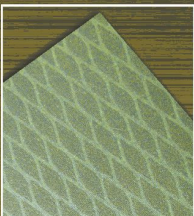
	结 构 Structure				
	基体 Backing	植砂方式 Coated structure	最大幅宽 Max.Width	耐水性 Waterproofness	
	混纺布 Blend cloth	间隔式 Interval	1400mm	一般 Common	
	形 状 Shape				粒度范围 Grit range
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	
		●	●		P60—P600



### 5、菱形软基金属砂带 Flexible rhombus-shaped abrasive cloth belt for metal

采用高强度软布基体，高档优质磨料生产，产品延伸率低，强度高，适用于各种金属、铝镁合金、不锈钢制品的抛磨或拉丝。具有防堵性能好、磨削锋利、使用寿命长等特点。

Flexible cloth backing and premium grain to make the item with the advantages of high strength and low extension, good anti-clogging, sharp grinding and long lifetime.Suitable for grinding and finishing of metals, magnalium, stainless steel,etc.

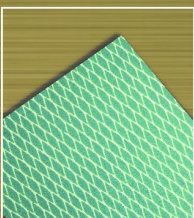
	结 构 Structure				
	基体 Backing	植砂方式 Coated structure	最大幅宽 Max.Width	耐水性 Waterproofness	
	混纺布 Blend cloth	间隔式 Interval	1400mm	良好 Good	
	形 状 Shape				粒度范围 Grit range
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	
		●	●		P60—P600



### 6、手撕菱形软基砂带 Flexible rhombus-shaped abrasive cloth belt by hand using

选用轻型柔软布基，产品柔软性好，易于撕裂，适用于各类木器及软金属和非金属的手工打磨。磨削寿命长，磨削效率高，综合性价比好，是目前公司JB-5S手撕软基砂卷的升级产品。

Light flexible cloth as backing, easy to tear, suitable for hand sanding of various kinds of woodware, soft metal and nonmetals. Long lifetime ,high efficiency and good price-performance ratio.It is the upgrade of abrasive belt coded JB-5S.

	结 构 Structure				
	基体 Backing	植砂方式 Coated structure	最大幅宽 Max.Width	耐水性 Waterproofness	
	混纺布 Blend cloth	间隔式 Interval	1400mm	良好 Good	
	形 状 Shape				粒度范围 Grit range
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	
		●	●	●	P60—P600





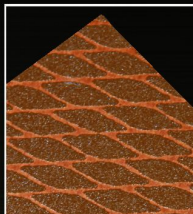
# Rhombus-shaped abrasive product in sheet

## 菱形张页产品

### 1、菱形耐水砂纸 Rhombus-shaped waterproof abrasive paper

使用C级纸作为基体，纸基经过耐水处理和柔性处理，强度高、柔韧性好，耐水、耐油，可干湿两用。适用于家具、墙面、漆面、腻子、软金属、塑料等的手工或振动式电动工具打磨，功能上既可以完全取代传统耐水砂纸，且更具有超强防堵、磨削锋利、使用效率高、寿命长、性价比高的特点，是普通耐水砂纸的一个更好的升级。

C-wt paper backing, waterproof & flexibility treated, high strength, good flexibility, oil resistance, can be wet & dry used. Equipped on the power tools and widely used in furniture, wall, painting, lacquer, soft metals and plastics. It has replaced traditional waterproof abrasive paper with the characteristics of super anti-clogging performance, sharp grinding, high efficiency, long lifetime and good cost-performance ratio. It is the upgrade of normal products.

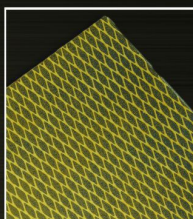
	结 构 Structure				
	基体 Backing	植砂方式 Coated structure	标准尺寸 Standard Size	耐水性 Waterproofness	
	C型纸 C-wt paper	间隔式 Interval	230X280	良好 Good	
	形 状 Shape				粒度范围 Grit range
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	P60—P800
	●		●	●	



### 2、特色菱形干磨砂纸 Featured Rhombus-shaped anti-clogging abrasive paper

高档C型纸基体，纸基经过特殊处理，强度高、柔韧性好，防堵耐磨。适用于各种家具、墙面、漆面、腻子、软金属、塑料等的手工及机械打磨，功能上超越市场上的中档干磨砂纸，且具有更好的磨削锋利度和磨削效率。该产品价格便宜，是一款性价比极强的干砂产品。

Specially treated C-wt paper backing, high strength, good flexibility and good grinding performance. Suitable for all kinds of furniture, wall, varnish, lacquer, soft metals and plastics. It is better than the normal anti-clogging abrasive paper. It is the good cost-performance ratio item with the advantages of sharp grinding, high efficiency, long lifetime and cheaper price.

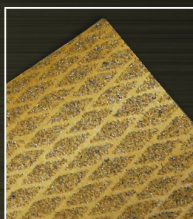
	结 构 Structure				
	基体 Backing	植砂方式 Coated structure	标准尺寸 Standard Size	耐水性 Waterproofness	
	C型纸 C-wt paper	间隔式 Interval	230X280	较好 Good	
	形 状 Shape				粒度范围 Grit range
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	P60—P600
	●		●	●	



### 3、菱形木砂纸 Rhombus-shaped abrasive paper

采用C级牛皮纸生产，产品高效环保，是张页产品中价格最便宜的品种，有很高的性价比优势，适用于各种木料、非金属、腻子、塑料、玻璃的打磨，具有切削锋利、防堵性好等特点。

C-wt paper as backing, the cheapest one in all abrasive papers. Suitable for various kinds of wood, nonmetals, lacquer, plastic and glass.

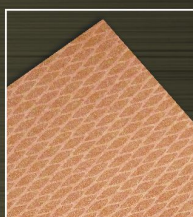
	结 构 Structure				
	基体 Backing	植砂方式 Coated structure	标准尺寸 Standard Size	耐水性 Waterproofness	
	C型纸 C-wt paper	间隔式 Interval	230X280	一般 Common	
	形 状 Shape				粒度范围 Grit range
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	P60—P240
	●		●	●	

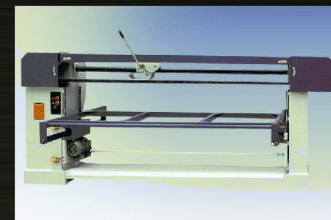


### 4、菱形砂布 Rhombus-shaped abrasive cloth

采用页状砂布布基，具有附着力强、防堵耐磨，磨削持久锋利、综合性价比高等特点，主要用于金属、陶瓷、橡胶、皮革、玻璃、石材等的手动打磨和抛光。

Cloth backing, strong anti-clogging performance, high grinding and good price-performance ratio. Mainly used in the metals, ceramic, rubber, leather, glass and stone, etc.

	结 构 Structure				
	基体 Backing	植砂方式 Coated structure	标准尺寸 Standard Size	耐水性 Waterproofness	
	混纺布 Blend cloth	间隔式 Interval	230X280	一般 Common	
	形 状 Shape				粒度范围 Grit range
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	P60—P240
	●		●	●	





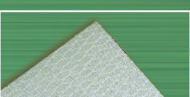
## High-end rhombus-shaped abrasive product in sheet

### ● 菱形高档张页产品

#### 1、乳胶纸菱形干砂 Latex Rhombus-shaped anti-clogging abrasive paper

选用进口乳胶纸作为基体，产品柔韧性好，耐折叠、耐撕裂；有优异的防堵和散热功能，防止磨削过程中产品的堵塞和热能聚集，克服了工件烧伤问题，保证了表面质量，使用寿命比传统的干砂大幅延长。可手工磨削、电动工具夹持磨削，亦可转换成异型产品，用于金属和非金属的打磨和抛光，特别适合用于各种木器、家具、漆面、铜、铝、锌等容易堵塞工件的磨削和抛光。

Imported latex paper as backing with good flexibility, outstanding bending proof and hard tear performance, strong anti-clogging and heat dissipation to protect the workpieces from being burned in the process of grinding, ensure the surface quality and extend the lifetime. It can be used both by hand sanding and power tools, also it can be converted into special items to grind and polish metals and nonmetals, especially for various kinds of woodware, furniture, painting, cooper, alloy and zinc, etc.

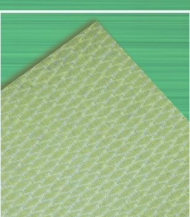
	结 构 Structure				
	基体 Backing	植砂方式 Coated structure	标准尺寸 Standard Size	耐水性 Waterproofness	
	C型乳胶纸 C-wt latex paper	间隔式 Interval	230X280	一般 Common	
	形 状 Shape				粒度范围 Grit range
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	
	●		●	●	P60—P600



#### 2、高档菱形干磨砂纸 High-end rhombus-shaped anti-clogging abrasive paper

选用进口高档乳胶纸作为基体，纸基强度高，柔韧性极佳；砂面锋利，磨削效率高，具有优异的防堵和散热功能，防止磨削过程中产品的堵塞和热能聚集，克服了工件烧伤问题，保证了表面质量，由于其独特的超强防堵，使用寿命也比传统的干砂大幅延长，同时，也适合转换成各种拉绒、不干胶等异型产品，用于金属和木材的打磨和抛光，特别适用于油漆、软木、铜、铝等容易堵塞的工件的磨削和抛光，细粒度产品可以取代聚酯薄膜产品进行精细磨削加工。

High-end latex paper as backing with high strength, excellent flexibility & high efficiency performances to protect the workpieces from being burned in the process of grinding and ensure the surface quality and extend the lifetime. It can be converted into various kinds of velcro disc and PSA to grind and polish metals and nonmetals, especially for various kinds of varnish, soft wood, cooper and alloy, etc. The item with fine grit size can be used to replace the film items for precision grinding.

	结 构 Structure				
	基体 Backing	植砂方式 Coated structure	标准尺寸 Standard Size	耐水性 Waterproofness	
	C型乳胶纸 C-wt latex paper	间隔式 Interval	230X280	一般 Common	
	形 状 Shape				粒度范围 Grit range
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc	
	●		●	●	P60—P600




## Rhombus-shaped abrasive paper roll

### ● 菱形纸基砂卷

#### 1、120g、140g菱形纸基砂卷 Rhombus-shaped abrasive paper roll with 120gsm and 140gsm paper backing

产品耐磨锋利，防堵塞性能优异。适合转换成各种规格尺寸的拉绒、不干胶异型产品，对墙壁、漆面、塑料、家具、木器等非金属以及、铜、铝、锌等有软金属进行打磨和抛光，打磨效率高、使用寿命长，是一款价格便宜、性能优良的异型转换产品。此产品根据客户需求也可增加抗静电涂层。

Sharp, good wear resistance and anti-clogging performance. Suitable for being converted into various kinds of velcro disc and PSA to grind and finish wall, lacquer, plastic, furniture, woodware, cooper, alloy and zinc, etc. It is one of cheap and good performance items with high grinding efficiency and long lifetime. Anti-static coating can be available as per customer's requirement.

	结 构 Structure					
	基体 Backing		植砂方式 Coated structure		最大幅宽 Max.Width	耐水性 Waterproofness
	C型纸 C-wt paper		间隔式 Interval		1400mm	一般 Common
	形 状 Shape					粒度范围 Grit range
	页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc		
				●	●	P60—P600





## 2、230g、250g、300g重磅菱形纸基砂卷 Rhombus-shaped abrasive paper roll with 230gsm ,250gsm and 300gsm paper backing

选用进口重磅纸基，产品强度高，防堵塞、抗撕裂、耐破损性好。适合转换成各种规格尺寸砂带，对大型板材、皮革、塑料、家具、地板、有色金属进行磨削和抛光。亦可转换成各种高档拉绒、不干胶等异型产品，对汽车车门框、镁铝合金、水暖器材、红木家具、墙面、漆面等进行打磨。

Imported paper backing,high strength, good anti-clogging, hard tear and outstanding breakage resistance. Suitable for being converted into various kinds of abrasive belt to grind and finish large panel,leather,plastic,furniture, floorboard and nonferrous metals, etc.Also can being converted into velcro disc and PSA to polish car frames,magnesium,heating equipment, furniture of rosewood, wall and lacquer,etc.

结 构 Structure					
基体 Backing	植砂方式 Coated structure	最大幅宽 Max.Width	耐水性 Waterproofness		
E型纸 E-wt paper	间隔式 Interval	1400mm	一般 Common		
形 状 Shape					粒度范围 Grit range
页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc		
	●	●	●	P60—P600	



## Flexible rhombus-shaped abrasive roll

### ●● 菱形软布基产品 \

#### 1、普通菱形软基砂带 Normal flexible rhombus-shaped abrasive cloth belt

采用高强度软布布基，产品平整度好，延伸率小，特别适合转换成窄带长带及手压砂，用于木器及家具行业家具部件的手压磨削，同时对铝、铜、锌等软金属及易堵塞工件打磨性能突出，具有超强的防堵效果。亦可转换成各类不干胶、拉绒等异型产品。使用寿命长，磨削锋利、持久、效率高，是目前公司新型JB-5H软基砂带的升级产品。

High strength cloth backing, good flatness and low extension, especially for being converted into narrow belt or wide belt to grind the workpieces of woodware and furniture.It has the outstanding grinding and anti-clogging performance for soft metals,such as alloy, cooper, zinc,etc. Also it can being converted into various kinds of velcro disc and PSA. It is the upgrade of abrasive belt coded JB-5H .

结 构 Structure					
基体 Backing	植砂方式 Coated structure	最大幅宽 Max.Width	耐水性 Waterproofness		
混纺布 Blend cloth	间隔式 Interval	1400mm	良好 Good		
形 状 Shape					粒度范围 Grit range
页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc		
	●	●	●	P60—P600	



#### 2、涂层菱形软基砂带 Flexible rhombus-shaped abrasive cloth belt with anti-clogging

该产品是在普通菱形软基砂带基础上，加涂防静电涂层，产品具有散热快，超强防堵，工件光洁度高，使用寿命长等特点。其主要用于转换成各类小砂带或窄长带，用于易堵塞、表面质量要求高的铜、铝、锌等有色软金属以及水暖器材、卫生洁具、厨房用品、家具、油漆、塑料等的打磨和抛光，也适用于一般金属的磨削和抛光。

Based on the normal flexible rhombus-shaped abrasive cloth belt, anti-static coating is applied to show fast heat dissipation, super strong anti-clogging, high smooth finish and long lifetime,etc.Mainly being converted into various kinds of small- sized narrow belt to grind and finish cooper, alloy,zinc ,heating equipment,sanitary ware,kitchen supplies,furniture, painting and plastic,etc.Also suitable for normal metals.

结 构 Structure					
基体 Backing	植砂方式 Coated structure	最大幅宽 Max.Width	耐水性 Waterproofness		
混纺布 Blend cloth	间隔式 Interval	1400mm	一般 Common		
形 状 Shape					粒度范围 Grit range
页状 Sheet	带状 Belt	卷状 Roll	圆盘 Disc		
	●	●		P60—P600	





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