



# Shiny Gold Series

Pearlescent pigment

闪亮金系列珠光材料

[www.rika.cc](http://www.rika.cc)

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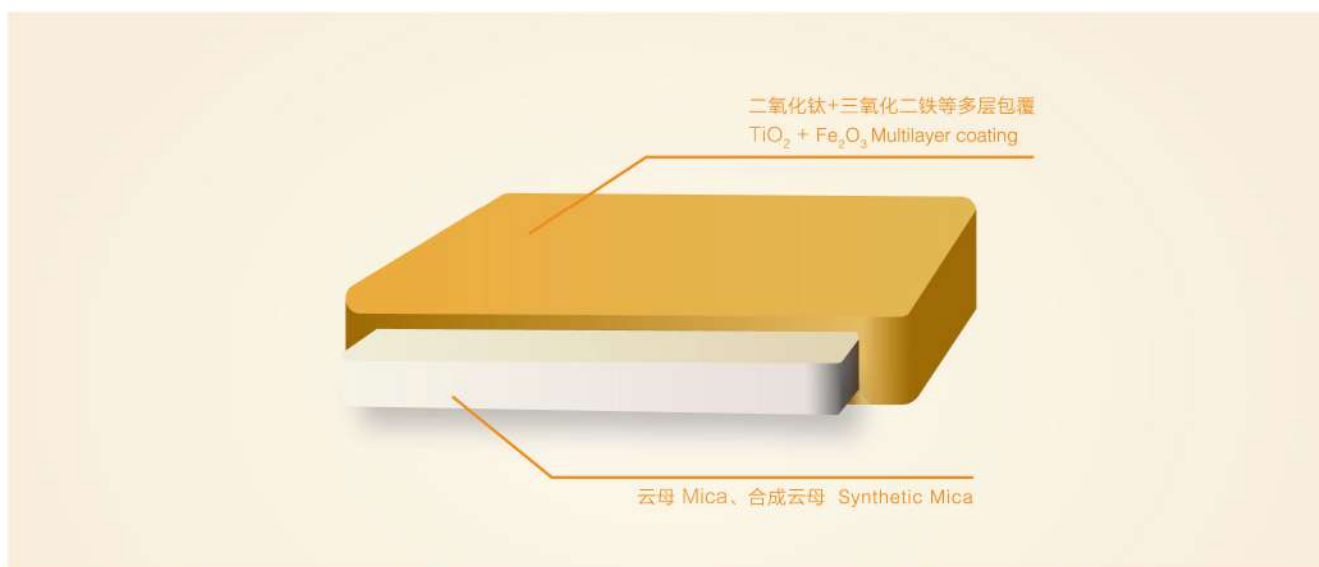
闪亮金系列的珠光材料是瑞彩公司研发团队历经三年多的时间所研发成功的高端产品。其精选优质云母为基材，使用特殊工艺通过数层反复包覆氧化铁、氧化钛等多种金属氧化物加工而成。

该系列的产品，色泽炫丽、金属感突出、闪烁感强烈，可呈现出金碧辉煌的效果。此项技术获得了国家发明专利，并先后在2016年获得宜春市技术发明一等奖，在2017年获得江西省科学技术进步三等奖。

Shiny gold series are developed as RIKA high-end products attributed to more than 3 years' hard work of RIKA R&D team. High-quality natural muscovite or synthetic mica is chosen as the core, coated by multi-layer oxides, like diiron trioxide, titanium dioxide etc.

These products are outstanding for the fresh full color shade, excellent metallic effect, super granule effect and high brightness, presenting shiny gold effect. RIKA was granted a national patent for invention for this special technology, and won the first prize in technology invention evaluation in Yichun city in 2016, the third prize in scientific technology development evaluation in Jiangxi Province in 2017.

- 精选优质云母为基材
- 多种粒径变化跟选择
- 金色效果突出，色彩浓艳夺目
- 闪烁度极强
- High-quality mica or synthetic mica as core
- Diversity of particle size
- Golden effect, intense chroma
- Super shiny effect, high brightness



COATING STRUCTURE  
涂层结构



ISO14001



ISO9001



ISO18001



## RK9350 水晶太阳金Sunny gold 10- 60μm

产品成分	出厂标准	CAS No.	EC No.	CI No.	Composition	Content	CAS No.	EC No.	CI No.
合成云母	39%-45%	12003-38-2	234-426-5		Fluorophlogopite	39%-45%	12003-38-2	234-426-5	
二氧化钛	50%-54%	13463-67-7	236-675-5	77891	Titanium dioxide (TiO <sub>2</sub> )	50%-54%	13463-67-7	236-675-5	77891
三氧化二铁	5%-7%	1309-37-1	215-168-2	77491	Diiron Trioxide(Fe <sub>2</sub> O <sub>3</sub> )	5%-7%	1309-37-1	215-168-2	77491

检测项目	出厂标准	检测方法 & 标准	Test items	Product Information	Test method
形态	流动金色粉末	瑞彩内部检测方法	Appearance	gold, free flowing powder	RIKA In House Method
气味	无气味	瑞彩内部检测方法	Odor	odorless	RIKA In House Method
粒径范围	10-60 μm (80%粒径在范围内)	激光粒度检测方法	Particle size	10- 60 μm (80% under this range)	Laser diffraction measurement
PH值	5-9 (10% 悬浮液)	ISO787-9	pH value	5-9(10% aqueous suspension)	ISO787- 9
干燥失重	≤0.5% (105℃)	ISO787-2	Loss on drying	≤0.5% (105℃)	ISO787- 2
吸油量	90 ± 20g/100g	ISO787-5	Oil absorption	90 ± 20g/100g	ISO787- 5
密度 (20℃)	2.5-3.5g/cm <sup>3</sup>	ISO787-10	Density (20℃)	2.5-3.5g/cm <sup>3</sup>	ISO787- 10
体积密度	12-45g/100ml	ISO60-2000	Bulk density	12-45g/100ml	ISO60- 2000

重金属	出厂标准	检测方法 & 标准	Heavy metal	Product Information	Test method
铅 (Pb)	<10 ppm	ICP/ICP-MS	Lead (Pb.)	<10 ppm	ICP/ICP-MS
锑 (Sb)	<2 ppm	ICP/ICP-MS	Antimony (Sb.)	<2 ppm	ICP/ICP-MS
砷 (As)	<2 ppm	ICP/ICP-MS	Arsenic (As.)	<2 ppm	ICP/ICP-MS
钡 (Ba)	<50 ppm	ICP/ICP-MS	Barium (Ba.)	<50 ppm	ICP/ICP-MS
镉 (Cd)	<3 ppm	ICP/ICP-MS	Cadmium (Cd.)	<3 ppm	ICP/ICP-MS
铬 (Cr)	<100 ppm	ICP/ICP-MS	Chrome (Cr.)	<100 ppm	ICP/ICP-MS
汞 (Hg)	<1 ppm	ICP/ICP-MS	Mercury (Hg.)	<1 ppm	ICP/ICP-MS
硒 (Se)	<10 ppm	ICP/ICP-MS	Selenium (Se.)	<10 ppm	ICP/ICP-MS
铜 (Cu)	<50 ppm	ICP/ICP-MS	Copper (Cu.)	<50 ppm	ICP/ICP-MS
镍 (Ni)	<10 ppm	ICP/ICP-MS	Nickel (Ni.)	<10 ppm	ICP/ICP-MS
锌 (Zn)	<50 ppm	ICP/ICP-MS	Zinc (Zn.)	<50 ppm	ICP/ICP-MS
钴 (Co)	<30 ppm	ICP/ICP-MS	Cobalt(Co.)	<30 ppm	ICP/ICP-MS

以上技术参数为RK9350的参数，如需其他产品请向我司工作人员咨询。

This is the technical data of RK9350. If you need data of any other types, please contact us.

# Technical Data 技术参数

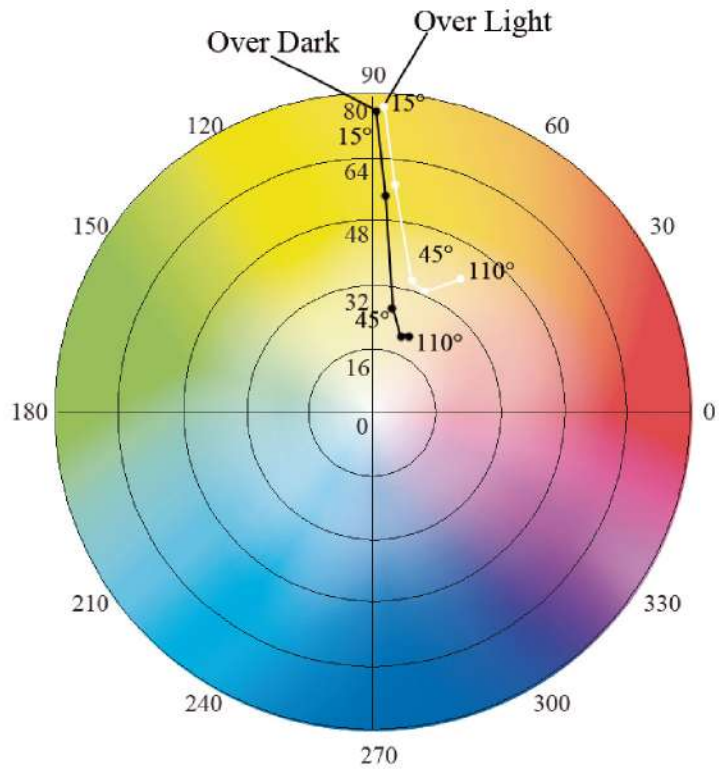
检测设备/Color by:

美国爱色丽色差仪X-Rite MA98 D65/10°

检测方法:

检测结果以刮卡涂膜为基础，刮卡以10%珠光粉，90%树脂的配方刮涂，刮涂厚度100 μm。

Test result is made based on drawdown, 10% dosage pearl pigment in 90% resin, 100 μm film thickness.



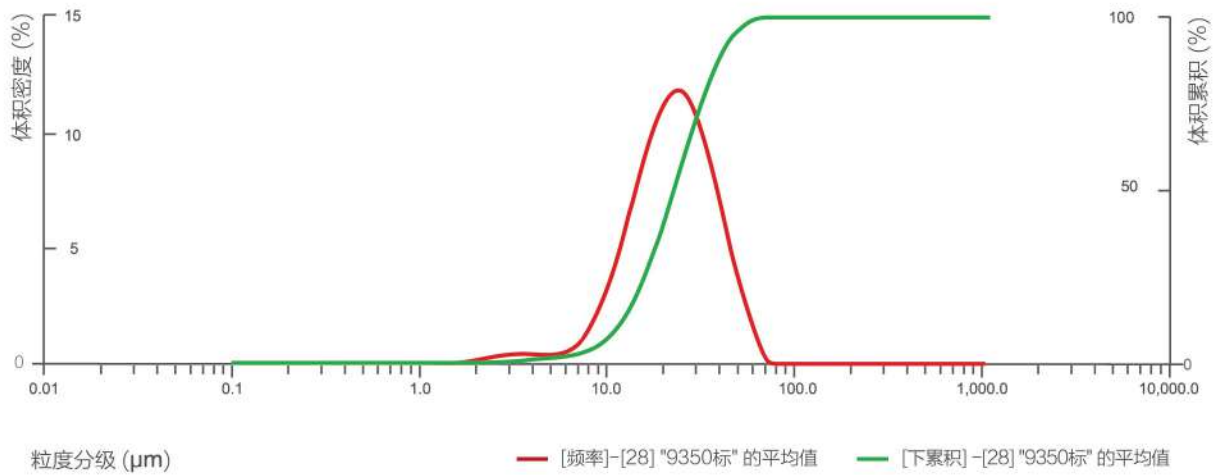
Shiny Gold RK9350

Code	Angle	White Base					Black Base				
		L*	a*	b*	c*	h°	L*	a*	b*	c*	h°
RK9350	45as15	127.31	3.17	78.49	78.55	87.69	121.30	1.35	77.15	77.16	89.00
	45as25	84.43	7.22	57.89	58.34	82.89	77.37	3.20	55.35	55.44	86.69
	45as45	51.17	11.47	33.91	35.80	71.32	38.35	4.13	27.66	27.97	81.52
	45as75	45.41	14.44	29.31	32.68	63.77	28.48	4.70	18.52	19.11	75.76
	45as110	46.51	19.74	35.16	40.32	60.69	27.42	6.86	19.44	20.62	70.56

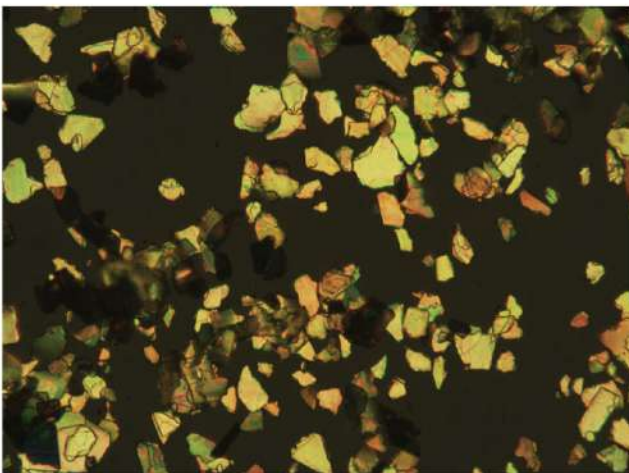


## RK9350 通过激光衍射测量技术测定的粒径分布图

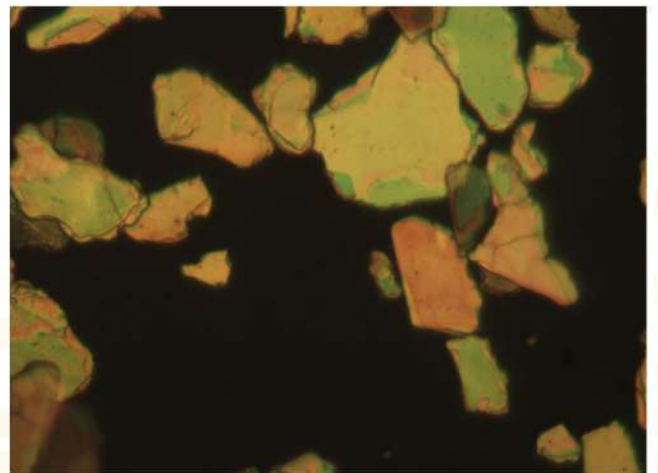
检测设备/Test By: 英国马尔文激光粒度仪Malvern Mastersizer 3000E



## RK9350 显微镜图



显微镜下100倍 RK9350 粉体颗粒亮仓图片  
Micrograph of RK9350, 100 times



显微镜下400倍 RK9350 粉体颗粒亮仓图片  
Micrograph of RK9350, 400 times



## Composition

Code	颜色	Product Name	Particle Size (μm)	Mica	Synthetic mica	SnO <sub>2</sub>	TiO <sub>3</sub>	Ce <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>
RK3302	太阳金缎	Solar gold satin	10~30μm	●	●		●		●
RK6350WR	太阳金	Shiny gold	10~48μm	●		●	●	●	●
RK350	太阳金	Shiny gold	10~60μm	●			●		●
RK350A	太阳金	Solar gold	10~60μm	●		●	●		●
RK350C	太阳金	Solar gold	10~60μm	●		●	●		●
RK350K	太阳金	Solar gold	10~60μm	●		●	●		●
RK9350	水晶太阳金	Sunny gold	10~60μm		●		●		●
RK375	亮丽红太阳金	Bright reddish solar gold	10~70μm	●		●	●		●
RK395	闪光红太阳金	Flash reddish solar gold	10~100μm	●		●	●		●
RK397	闪光绿太阳金	Flash turquoise solar gold	10~100μm	●		●	●		●
RK9315	闪光金黄	Crystal flash gold	30~120μm		●	●	●		●
RK9317	水晶闪光青金	Crystal shimmer turquoise gold	10~100μm		●	●	●		●
RK9351	闪光金色	Sparkle gold	10~100μm		●		●		●
RK93B5	水晶闪光红金	Crystal flash reddish gold	40~160μm		●	●	●		●
RK93C7	水晶星光青金	Crystal starry turquoise gold	40~200μm		●	●	●		●
RK93F5	超闪金色	Crystal super flash gold	70~400 μm		●	●	●		●



RK3302

太阳金锻 Solar gold satin 10-30 $\mu$ m



RK6350WR

太阳金 Shiny gold 10-48 $\mu$ m



RK350

太阳金 Shiny gold 10-60 $\mu$ m



RK350A

太阳金 Solar gold 10-60 $\mu$ m

## Shiny Gold 闪亮金系列



RK350C

太阳金 Solar gold

10-60 $\mu$ m



RK350K

太阳金 Solar gold

10-60 $\mu$ m



RK9350

水晶太阳金 Sunny gold

10-60 $\mu$ m



RK375

亮丽红太阳金 Bright reddish solar gold

10-70 $\mu$ m



400 800 1118



**RK395**

闪光红太阳金 Flash reddish solar gold 10-100 $\mu$ m



**RK397**

闪光绿太阳金 Flash turquoise solar gold 10-100 $\mu$ m



**RK9315**

闪光金黄 Crystal flash gold 30~120 $\mu$ m



**RK9317**

水晶闪光青金 Crystal shimmer turquoise gold 10~100 $\mu$ m

## Shiny Gold 闪亮金系列



**RK9351**

闪光金色 Sparkle gold

10~100μm



**RK93B5**

水晶闪光红金 Crystal flash reddish gold

40~160μm



**RK93C7**

水晶星光青金 Crystal starry turquoise gold

40~200μm



**RK93F5**

超闪金色 Crystal super flash gold

70~400μm



400 800 1118

闪亮金系列珠光材料超强的金色视觉效果及闪烁度使得该系列产品适用于美缝剂、室内外装饰涂料、室内高端装饰材料、汽车涂料、工艺装饰品等以金色为主色调且视觉效果极高的行业。

Shiny gold series pearlescent pigment products can be applied in beauty sealant, interior and exterior decorative paints, high end interior decorative materials, automotive coatings, artwork ornaments and etc, which requires gold color to perform a strong visual effect.



## REACH

合成云母、二氧化钛、三氧化二铁及二氧化锡已完成REACH后预注册；此系列产品中的所有成分不在REACH EC 1907/2006附件17列表及SVHC列表（最新更新2017.07.07）中。

### 玩具行业/可刮取的玩具材料

欧盟 EN71-3:2013法规。

### 电子电器行业

欧盟法规RoHS (2011/65/EU)。

### 塑料涂料行业/食品接触材料

欧盟法规EU 10/2011(最新修订版2017/752)

预期与食品接触的塑料材料和制品&美国法规FDA 21 CFR 175.300--树脂和聚合物涂层

## REACH

Synthetic mica / Fluorophlogopite, titanium dioxide, diiron trioxide and tin oxide are pre-registered; absence of substances listed in 'Annex XVII to EC Reg. 1907/2006; absence of substances listed in the "Candidate List" updated at 07/07/17 (REACH Reg.)

### Toy/Scraped-off toy material

comply with EN 71-3:2013.

### Electrical and electronic equipment

comply with RoHS (2011/65/EU) .

### Food contact

comply with EU 10/2011 (newest amendment EU 2017/752)

On plastic materials and articles intended to come into contact with food & FDA 21 CFR 175.300--Resinous and polymeric coatings



REACH Certification



欧盟儿童玩具检测认证

Toy/Scraped-off toy material Certification



Electrical and electronic equipment Certification



FDA Certification



瑞彩科技股份有限公司

RIKA TECHNOLOGY CO.,LTD



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