



Diamond Series

Pearlescent pigment

钻石系列珠光材料

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钻石源于古希腊语Adamant，意思是坚硬不可侵犯的物质，是公认的宝石之王，是爱情和忠贞的象征，以其高纯净度和闪烁度最为吸引人。

瑞彩公司采用精选优质玻璃鳞片为基材，以纳米级精细包覆技术加工形成钻石系列珠光材料。该系列产品有着超强的珠光闪烁效果，如钻石般光彩夺目，色泽通透鲜艳，颜色丰富多变，对环境无污染，且具有无毒、无害等优点。

Diamond originated from ancient Greek Adamant , which means hard and inviolable material. It is recognized as the king of gems. It is a symbol of love and loyalty. Its high purity and scintillation are the most attractive.

RIKA uses high-quality glass flakes as the base material and uses nano level fine coating technology to process Diamond Series pearlescent pigments. This series of products have super bright pearl effect, such as diamond, transparent and bright color, rich and changeable color, no pollution to the environment, and non-toxic, harmless and so on.

- 常见粒径范围：
10-60μm、30-120μm、50-250μm
 - 采用精选优质玻璃鳞片为基材
 - 如钻石般的超强闪烁度
 - 色泽通透鲜艳
 - 精细把控的包覆技术
 - 环境友好，无毒、无害
- Classic particle size availability:
10-60μm、30-120μm、50-250μm
 - Use well-chosen, high quality glass flake as substrate
 - Outstanding sparkleness like diamond
 - Very pure, fresh color shade
 - Precise control of the coating process
 - Enviromental friendly, non toxic, no harm to human bodies



RK8231 特闪钻金 Special flash diamond gold 50-250 μ m

产品成分	出厂标准	CAS No.	EC No.	CI No.	Composition	Content	CAS No.	EC No.	CI No.
玻璃鳞片	83%-85%	65997-17-3	266-046-0	-	Calcium Sodium Borosilicate	83%-85%	65997-17-3	266-046-0	-
二氧化钛	15%-16%	13463-67-7	236-675-5	77891	Titanium dioxide (TiO ₂)	15%-16%	13463-67-7	236-675-5	77891
二氧化锡	0%-1%	18282-10-5	242-159-0	77861	Tin Oxide (SnO ₂)	0%-1%	18282-10-5	242-159-0	77861

检测项目	出厂标准	检测方法	Test items	Product Information	Test method
形态	流动白色粉末	瑞彩内部检测方法	Appearance	white, 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	50-250 μ m (80%在粒径范围内)	激光粒度检测方法	Particle size	50-250 μ m (80% under this range)	Laser diffraction measurement
PH值	6-9 (10%悬浮液)	ISO787-9	pH value	6-9 (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	55-90g/100g	ISO787-5	Oil absorption	55-90g/100g	ISO787-5
密度 (20℃)	2.2-2.5g/cm ³	ISO787-10	Density (20℃)	2.2-2.5g/cm ³	ISO787-10
体积密度	15-40g/100ml	ISO60-2000	Bulk density	15-40g/100ml	ISO60-2000

重金属	出厂标准	检测方法	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 (Bs)	<50 ppm	ICP/ICP-MS	Barium (Bs.)	<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RK8231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 RK8231. If you need data of any other types, please contact us.

Technical Data 技术参数

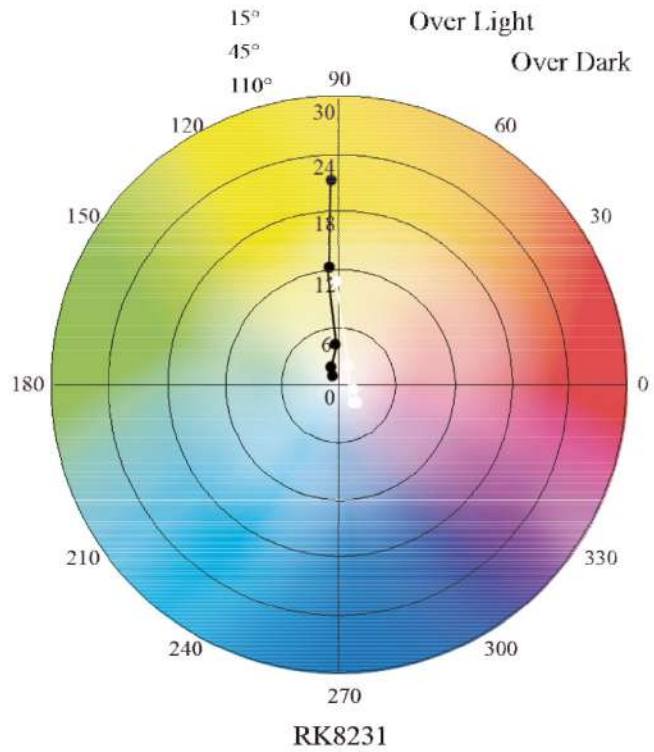
检测设备/Color by:

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.

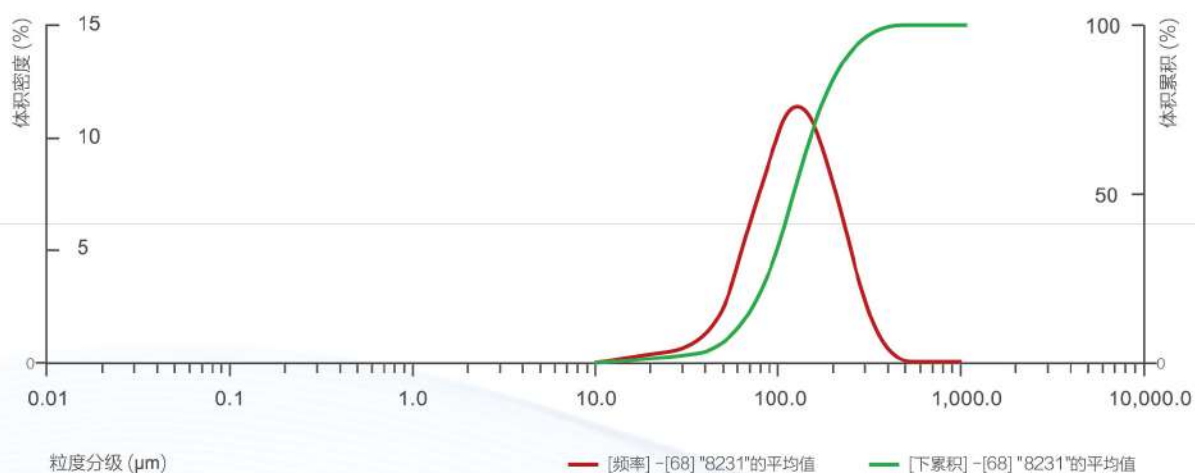


Code	Angle	White Base					Black Base				
		L*	a*	b*	c*	h°	L*	a*	b*	c*	h°
	45as15	106.61	-0.14	11.00	11.00	90.74	81.23	-0.73	22.87	22.88	91.84
	45as25	90.87	0.54	1.62	1.70	71.58	45.77	-0.60	12.63	12.64	92.73
RK8231	45as45	85.99	0.66	-1.86	1.97	289.54	20.01	-0.05	4.05	4.05	90.69
	45as75	85.38	0.77	-1.94	2.09	291.61	13.26	-0.12	1.53	1.53	94.67
	45as110	84.70	0.99	-0.01	0.99	359.37	13.36	-0.45	0.91	1.02	116.05

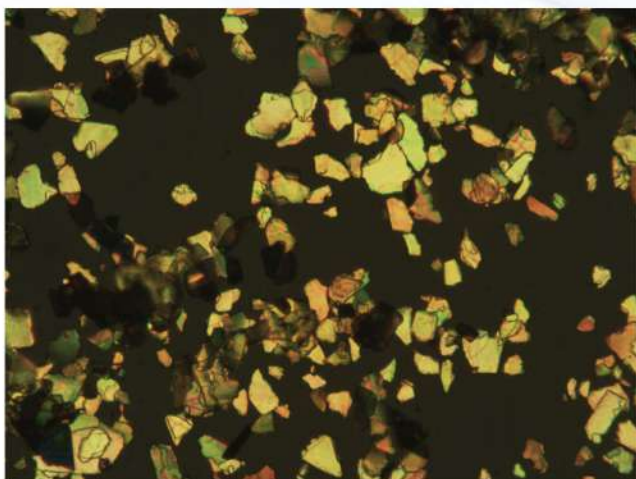


RK8231通过激光衍射测量技术测定的粒径分布图

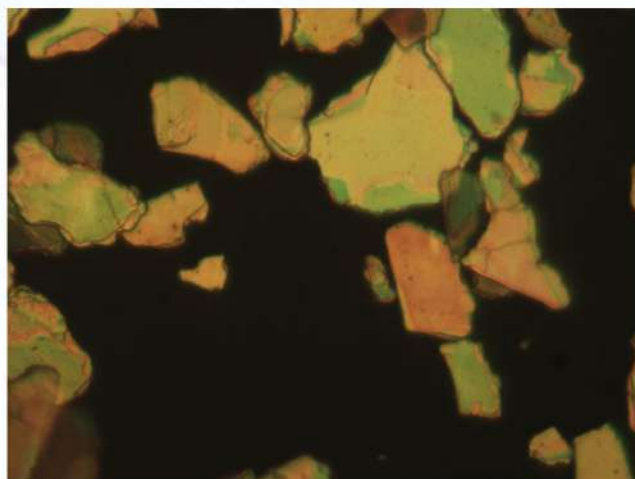
检测设备/Test By: 英国马尔文激光粒度仪Malvern Mastersizer 3000E



RK8231显微镜图



显微镜下100倍 RK8231 粉体颗粒亮仓图片
Micrograph of RK8231, 100 times



显微镜下400倍 RK8231粉体颗粒亮仓图片
Micrograph of RK8231, 400 times

Composition

Code	颜色	Product Name	Particle Size(μm)	Calcium Sodium Borosilicate	SnO ₂	TiO ₂
RK8100	丝绸钻石	Silk diamond silver	10-60	●	●	●
RK8201	丝绸钻金	Silk diamond gold	10-60	●	●	●
RK8202	丝绸钻红	Silk diamond red	10-60	●	●	●
RK8203	丝绸钻紫	Silk diamond violet	10-60	●	●	●
RK8204	丝绸钻蓝	Silk diamond blue	10-60	●	●	●
RK8205	丝绸钻绿	Silk diamond green	10-60	●	●	●
RK8110	光泽钻石	Luster diamond silver	30-120	●	●	●
RK8211	光泽钻金	Luster diamond gold	30-120	●	●	●
RK8212	光泽钻红	Luster diamond red	30-120	●	●	●
RK8213	光泽钻紫	Luster diamond violet	30-120	●	●	●
RK8214	光泽钻蓝	Luster diamond blue	30-120	●	●	●
RK8215	光泽钻绿	Luster diamond green	30-120	●	●	●
RK8130	特闪钻石	Super flash diamond silver	50-250	●	●	●
RK8231	特闪钻金	Super flash diamond gold	50-250	●	●	●
RK8232	特闪钻红	Super flash diamond red	50-250	●	●	●
RK8233	特闪钻紫	Super flash diamond violet	50-250	●	●	●
RK8234	特闪钻蓝	Super flash diamond blue	50-250	●	●	●
RK8235	特闪钻绿	Super flash diamond green	50-250	●	●	●

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型号:RK8100 Type:RK8100
 颜色:丝绸钻石 Color:Silk diamond silver
 粒径:10-60μm Particle size:10-60μm



型号:RK8201 Type:RK8201
 颜色:丝绸钻金 Color:Silk diamond gold
 粒径:10-60μm Particle size:10-60μm



型号:RK8202 Type:RK8202
颜色:丝绸钻红 Color:Silk diamond red
粒径:10-60 μ m Particle size:10-60 μ m



型号:RK8203 Type:RK8203
颜色:丝绸钻紫 Color:Silk diamond violet
粒径:10-60 μ m Particle size:10-60 μ m



型号:RK8204 Type:RK8204
颜色:丝绸钻蓝 Color:Silk diamond blue
粒径:10-60 μ m Particle size:10-60 μ m



型号:RK8205 Type:RK8205
颜色:丝绸钻绿 Color:Silk diamond green
粒径:10-60 μ m Particle size:10-60 μ m



型号:RK8110 Type:RK8110
颜色:光泽钻石 Color:Luster diamond silver
粒径:30-120 μ m Particle size:30-120 μ m



型号:RK8211 Type:RK8211
颜色:光泽钻金 Color:Luster diamond gold
粒径:30-120 μ m Particle size:30-120 μ m



型号:RK8212 Type:RK8212
颜色:光泽钻石 Color:Luster diamond red
粒径:30-120 μ m Particle size:30-120 μ m



型号:RK8213 Type:RK8213
颜色:光泽钻紫 Color:Luster diamond violet
粒径:30-120 μ m Particle size:30-120 μ m

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型号:RK8214 Type:RK8214
颜色:光泽钻蓝 Color:Luster diamond blue
粒径:30-120μm Particle size:30-120μm



型号:RK8215 Type:RK8215
颜色:光泽钻绿 Color:Luster diamond green
粒径:30-120μm Particle size:30-120μm



型号:RK8130 Type:RK8130
颜色:特闪钻石 Color:Super flash diamond silver
粒径:50-250μm Particle size:50-250μm



型号:RK8231 Type:RK8231
颜色:特闪钻金 Color:Super flash diamond gold
粒径:50-250μm Particle size:50-250μm



型号:RK8232 Type:RK8232
颜色:特闪钻红 Color:Super flash diamond red
粒径:50-250μm Particle size:50-250μm



型号:RK8233 Type:RK8233
颜色:特闪钻紫 Color:Super flash diamond violet
粒径:50-250μm Particle size:50-250μm



型号:RK8234 Type:RK8234
颜色:特闪钻蓝 Color:Super flash diamond blue
粒径:50-250μm Particle size:50-250μm



型号:RK8235 Type:RK8235
颜色:特闪钻绿 Color:Super flash diamond violet
粒径:50-250μm Particle size:50-250μm





ISO14001:2004
环境管理体系认证证书

OHSAS 18001:2007
职业健康管理体系认证证书

ISO9001:2008
质量管理体系认证证书

REACH

合成云母、二氧化钛、三氧化二铁及二氧化锡已完成REACH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2020.06.25）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 registered; absence of substances listed in Annex to EC Reg.1907/200; absence of substances listed in the "Candidate List " updated at 06 /25/2017 (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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