



Chameleon Series

Pearlescent pigment

变色龙系列珠光材料

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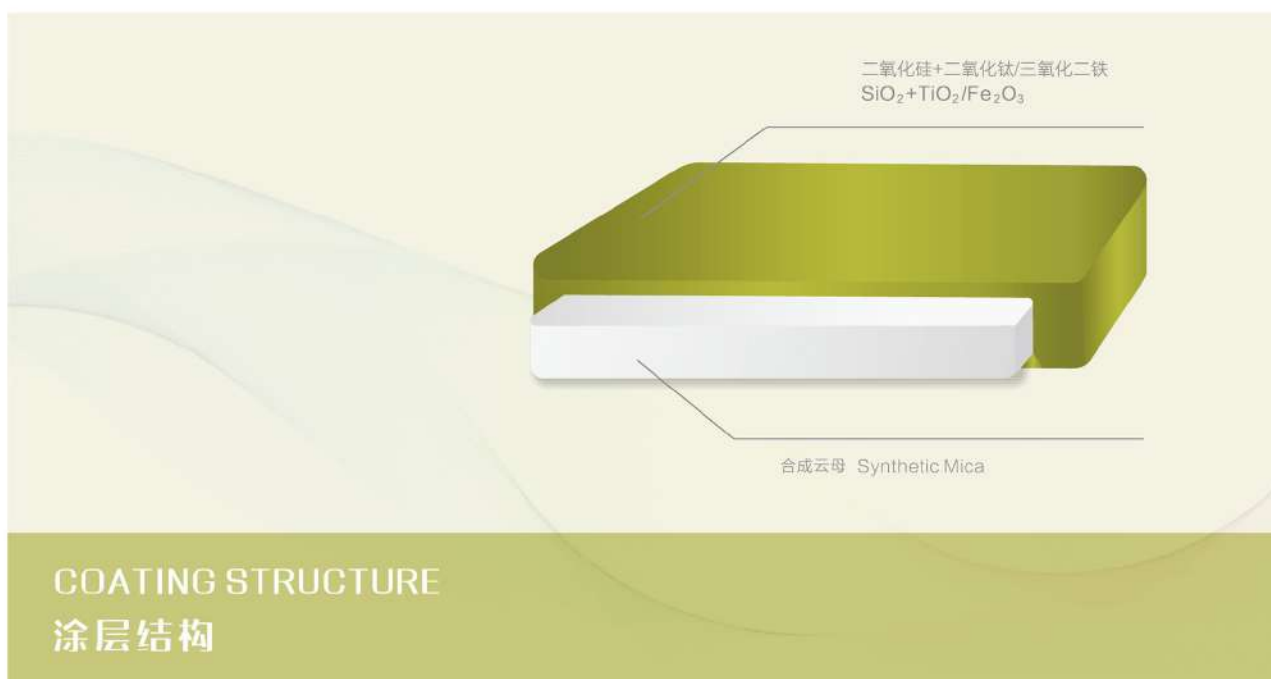
变色龙系列珠光材料精选优质合成云母作为基材，同时严格控制基材的粒径、径厚比，采用独特的多层包覆工艺和精准控制技术，使得多层金属氧化物沉积厚度均匀，最终形成极强的视觉效果及多角度变色效果。

变色龙系列珠光材料的视觉效果如极地的绚丽极光一般，璀璨壮丽而又千变万化，展现着神秘梦幻的色彩，时而如蓝宝石般透彻明亮，时而如深山老林般碧翠如洗，令人为其变幻之美而赞叹。

RIKA Chameleon series pearlescent pigment is manufactured by coating homogeneous multi-layer metal oxides on high-quality synthetic mica with narrow particle size distribution and high radius-thickness ratio. Multi-layer coating technique is applied and the whole processes are precisely controlled, finally forming striking visual effect and colour changing effect.

The visual effect of Chameleon series pearlescent pigment has the effect like a polar aurora, brilliant and magnificent and ever-changing, showing the mysterious color, sometimes as clear and bright as a sapphire, sometimes as green as a mountain forest.

- 常见粒径范围:
10-60μm
 - 采用精选优质合成云母为基材
 - 明亮而多重变色效果
 - 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
 - Use well-chosen, high quality synthetic mica as substrate
 - Bright colour-changing effects
 - Pure and fresh color shade
 - Precise control of the coating process
 - Environmental friendly, nontoxic, harmless to human bodies



RK991236 金/桔红/红 Gold/orange/red 10-60 μ m

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	40%-60%	12003-38-2	234-426-5	-	Fluourphlogopite	40%-60%	12003-38-2	234-426-5	-
二氧化硅	20%-30%	7631-86-9	231-545-4	-	Silicon dioxide(SiO ₂)	20%-30%	7631-86-9	231-545-4	-
三氧化二铁	20%-30%	1309-37-1	215-168-2	77491	Diiron Trioxide(Fe ₂ O ₃)	20%-30%	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	流动橙色粉末	瑞彩内部检测方法	Appearance	orange, 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 μ m (80%在粒径范围内)	激光粒度检测方法	Particle size	10-60 μ m (80% under this range)	Laser diffraction measurement
PH值	4-11 (10%悬浮液)	ISO787-9	pH value	4-11 (10% aqueous suspension)	ISO787-9
干燥失重	\leq 0.5% (105 $^{\circ}$ C)	ISO787-2	Loss on drying	\leq 0.5% (105 $^{\circ}$ C)	ISO787-2
吸油量	90 \pm 20g/100g	ISO787-5	Oil absorption	90 \pm 20 g/100g	ISO787-5
密度 (20 $^{\circ}$ C)	2.5-3.5g/cm ³	ISO787-10	Density (20 $^{\circ}$ C)	2.5-3.5 g/cm ³	ISO787-10
体积密度	12-45g/100ml	ISO60-2000	Bulk density	12-45 g/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 (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RK991236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 RK991236. If you need data of any other types, please contact us.

Technical Data 技术参数

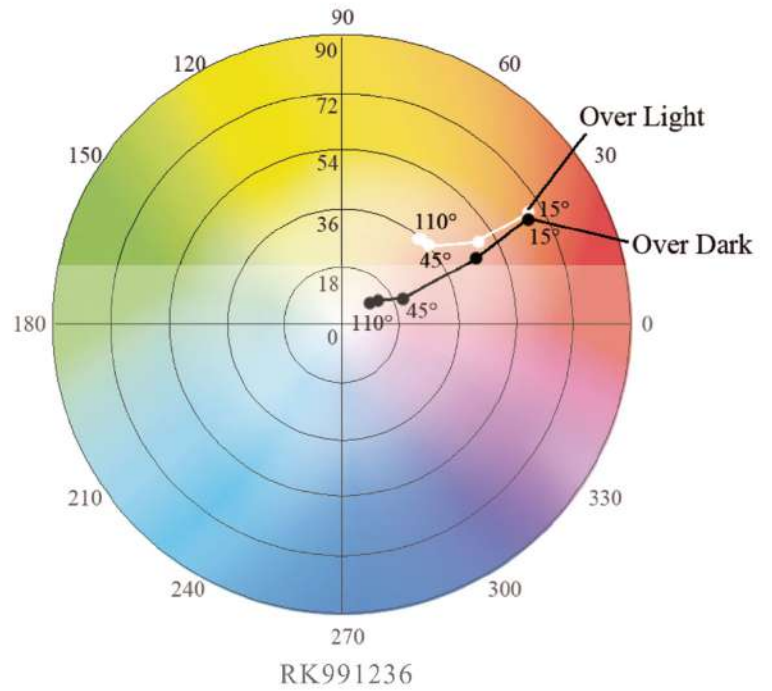
检测设备/Color by:

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.

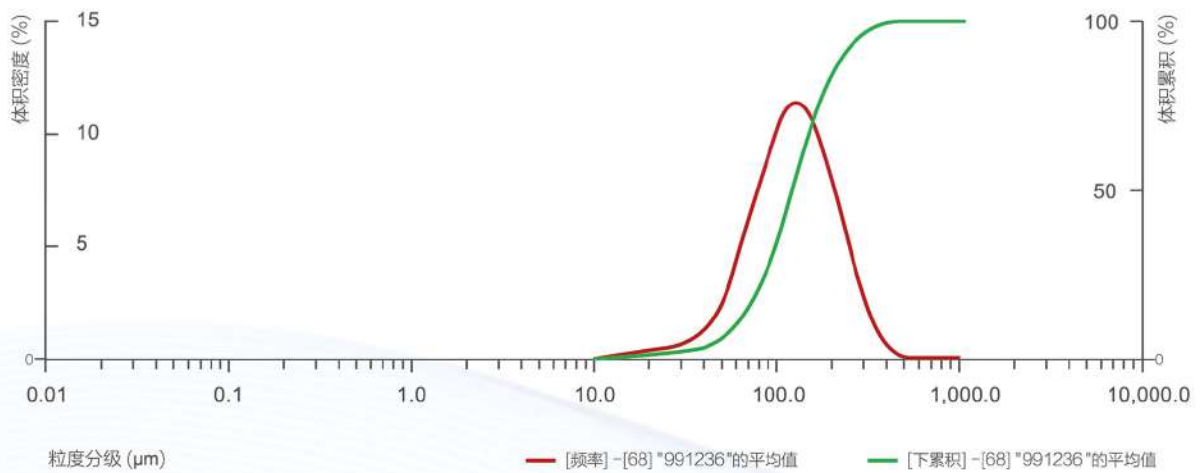


Code	Angle	White Base					Black Base				
		L*	a*	b*	c*	h°	L*	a*	b*	c*	h°
	45as15	101.62	59.83	31.55	67.64	27.80	100.56	59.50	29.73	66.52	26.55
	45as25	63.08	44.18	22.29	49.48	26.77	58.42	43.07	16.01	45.95	20.40
RK991236	45as45	38.09	28.26	25.07	37.78	41.58	21.01	19.66	5.46	20.41	15.51
	45as75	32.93	22.95	26.77	35.26	49.39	10.69	10.62	5.75	12.08	28.45
	45as110	30.16	25.00	26.04	36.10	46.16	8.82	8.82	7.17	11.37	39.11

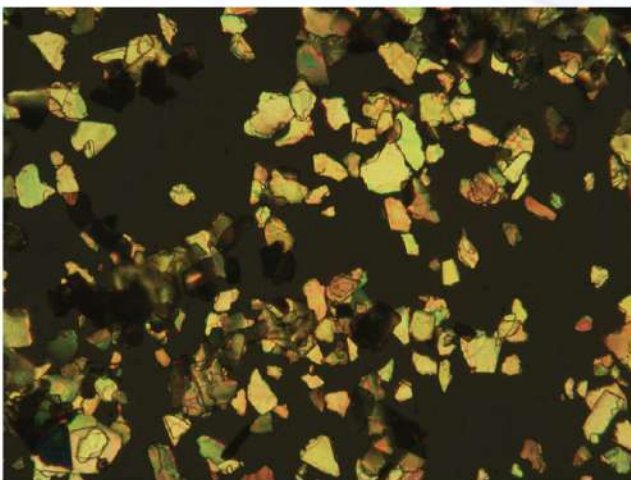


RK991236通过激光衍射测量技术测定的粒径分布图

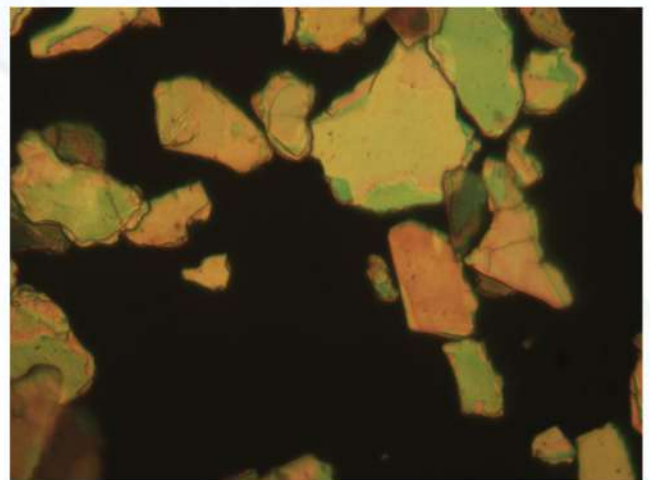
检测设备/Test By: 英国马尔文激光粒度仪Malvern Mastersizer 3000E



RK991236显微镜图



显微镜下100倍 RK991236 粉体颗粒亮仓图片
Micrograph of RK991236 , 100 times



显微镜下400倍 RK991236 粉体颗粒亮仓图片
Micrograph of RK991236 , 400 times

Composition

Code	颜色	Product Name	Particle Size(μm)	Synthetic Mica	Fe ₂ O ₃	TiO ₂	SiO ₂
RK891236	金/桔红/红	Gold / Orange / Red	10-60um	●		●	●
RK892356	桔红/红/紫	Orange / Red / Violet	10-60um	●		●	●
RK893566	红/紫/蓝	Red / Violet / Blue	10-60um	●		●	●
RK895676	紫/蓝/蓝绿	Violet / Blue / Blue-green	10-60um	●		●	●
RK897816	蓝/蓝绿/金	Blue / Blue-green / Gold	10-60um	●		●	●
RK991236	金/桔红/红	Gold / Orange / Red	10-60um	●	●		●
RK992356	桔红/红/紫	Orange / Red / Violet	10-60um	●	●		●
RK993566	红/紫/蓝	Red / Violet / Blue	10-60um	●	●		●
RK995676	紫/蓝/蓝绿	Violet / Blue / Blue-green	10-60um	●	●		●
RK997816	蓝/蓝绿/金	Blue / Blue-green / Gold	10-60um	●	●		●

Chameleon Series Pearlescent Pigment 变色龙系列



RK891236

金/桔红/红 Gold / Orange / Red

10-60μm



RK892356

桔红/红/紫 Orange / Red / Violet

10-60μm





RK893566

红/紫/蓝 Red / Violet / Blue

10-60 μ m



RK895676

紫/蓝/蓝绿 Violet / Blue / Blue-green

10-60 μ m



RK897816

蓝/蓝绿/金 Blue / Blue-green / Gold

10-60 μ m



RK991236

金/桔红/红 Gold / Orange / Red

10-60 μ m

Chameleon Series Pearlescent Pigment 变色龙系列



RK992356

桔红/红/紫 Orange / Red / Violet 10-60 μ m



RK993566

红/紫/蓝 Red / Violet / Blue 10-60 μ m



RK995676

紫/蓝/蓝绿 Violet / Blue / Blue-green 10-60 μ m



RK997816

蓝/蓝绿/金 Blue / Blue-green / Gold 10-60 μ m





CERTIFICATE

IQNet and CQC hereby certify that the organization
RIKA Technology Co., Ltd.

Yichun Economic Development Zone, Yichun City, Jiangxi Province, China

For the following field of activities
Design, Development and Production of pearlescent pigment, Mica powder

Has implemented and maintains a Management System
Which fulfills the requirements of the following standard
ISO14001:2004

Issued on Oct. 16, 2015
Validity date Oct. 15, 2018
Registration Number: 00115E22825F




Michael Drechsel President of IQNet
Wang Keqiao President of CQC

ISO14001:2004
环境管理体系认证证书



CERTIFICATE

IQNet and CQC hereby certify that the organization
RIKA Technology Co., Ltd.

Yichun Economic Development Zone, Yichun City, Jiangxi Province, China

For the following field of activities
Design, Development and Production of pearlescent pigment, Mica powder

Has implemented and maintains a Management System
Which fulfills the requirements of the following standard
ISO9001:2008

Issued on: Oct. 15, 2015
Validity date: Oct. 14, 2018
Registration Number: 00115Q210325ROM/3600





Michael Drechsel President of IQNet
Wang Keqiao President of CQC

ISO9001:2008
质量管理体系认证证书



CERTIFICATE

IQNet and CQC hereby certify that the organization
RIKA Technology Co., Ltd.

Yichun Economic Development Zone, Yichun City, Jiangxi Province, China

For the following field of activities
Production of pearlescent pigment, Mica powder and related management activities

Has implemented and maintains a Management System
Which fulfills the requirements of the following standard
OHSAS 18001:2007

Issued on: October 15, 2015
Validity date: October 15, 2018
Issuance Number: 00115S21723ROM/3600





Michael Drechsel President of IQNet
Wang Keqiao President of CQC

OHSAS 18001:2007
职业健康管理体系认证证书

REACH

合成云母、二氧化钛、三氧化二铁已完成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, and diiron trioxide 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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