



Titanium Dioxide

应用于涂料和油墨行业的高性能钛白粉
High Performance Titanium Dioxide

R-616

CR-618

R-626

CR-658



HONGDA GROUP LIMITED
洪大集团有限公司

公司简介 BRIEF INTRODUCTION

“鑫钛”是洪大集团旗下隶属于锐远新材料科技有限公司的钛白粉品牌。洪大集团致力于产品的研发突破，通过不断地优化生产工艺和技术，我们的高遮盖力金红石型钛白粉已经达到了国际大公司比如杜邦、康诺斯、科斯特、亨斯曼等的质量标准。我们的品牌“鑫钛”已经获得了国内和国际市场的普遍认可。产品具有质量稳定颜色蓝白、遮盖力强、分散性优异等特点，可广泛应用于涂料、塑料、造纸、油墨等领域。

洪大集团专业从事钛白粉出口二十余年，在客户需求分析和市场趋势预判方面具备敏锐而专业的眼光，产品远销北美、欧洲、中东、东亚、南美、东南亚等地区。从生产，质量控制，运输包装，销售到终端的产品应用提供一站式方案和服务，成为可信赖的长期合作伙伴。

"XINTI" is a titanium dioxide brand under Hongda Group, which belongs to Reayoung New Material Technology Co., LTD. Hongda Group is committed to product research and development breakthrough. Through continuous optimization of production process and technology, our rutile titanium dioxide with high hiding power and adhesive force has reached the international quality standards such as DuPont, Kronos, Crystal, Huntsman and others.

Hongda Group specializes in the export of titanium dioxide for more than 20 years, and has a keen and professional eye in customer demand analysis and market trend prediction, and its products are exported to North America, Europe, the Middle East, East Asia, South America, Southeast Asia and other regions. By providing one-stop solutions and services, from production, quality control, transportation, packaging, sales to the terminal product application, Hongda Group has become a reliable long-term partner.





产品介绍 PRODUCT INTRODUCTION

我们的品牌“鑫钛”已经获得了国内和国际市场的普遍认可。产品具有质量稳定颜色蓝白、遮盖力强、分散性优异等特点，可广泛应用于涂料、塑料、造纸、油墨等领域。

Our brand "XINTI" has been widely recognized in the domestic and international markets.

Products with stable quality, bluish shade, strong hiding power, excellent dispersion and other characteristics, can be widely used in coatings, plastics, paper, ink and other fields.

"鑫钛"金红石钛白粉 Xinti Titanium Dioxide

项目 Item	R-616	R-626	CR-618	CR-658
TiO ₂ %(m/m) min.	96	94	94	96
Surface treatment	Al ₂ O ₃ ,ZrO ₂	Al ₂ O ₃ ,ZrO ₂	Al ₂ O ₃ ,ZrO ₂	Al ₂ O ₃
Specific gravity	4.1	4.1	4.1	4.1

类型 Type	涂料 Coatings			印刷油墨 Printing inks	塑料 Plastic		纸张 Paper	瓷砖 Porcelain	橡胶 Rubber
	室内 Indoor	室外 Outdoor	粉末涂料 Powder coating		聚氯乙烯 PVC	色母粒 Masterbatch			
CR-618	●	●	▲	●	▲	▲	▲	▲	▲
CR-658	■	■	■	▲	●	●			
R-616	▲	▲	●	●	●	●	■		
R-626	●	●	●	▲	▲	▲	▲	●	●

● --特别推荐 ▲--推荐 ■--适用
● --particularly recommended ▲--recommended ■--suitable

鑫钛牌金红石钛白粉 R-616

XINTI Brand Rutile Type Titanium Dioxide R-616



基本信息 (Product Information):

型号 (Type) : 金红石 Rutile

表面处理 (Surface Treatment): 锆、铝 Zirconium and Aluminium

产品特性 (Product Characteristics) :

R-616 具有具有更细的粒径和更低的吸油量, 使其更适合需要高浓度的挤出应用。

主要适用于PVC压延膜等乳胶漆、醇酸哑光漆。

PNR-616 has fine partical size and low oil absorption ability which makes it pretty suitable for plastic extrusion process, such as Polyolefin, PVC Rolling Film, ABS, PS, tube and Emulsion paints、Alkyd matt paints.

技术指标 (Technical Specification) :

检验项目 Item		质量指标 Specification
二氧化钛含量	TiO ₂ %	≥96.0
105 °C 挥发物 %	105 °C Volatile %	≤1.0
筛余物 (过45μm筛)	Fineness (45μm seize residue)	≤0.1
PH值	pH	6.5~9.0
水溶物 %	Matter soluble in water %	≤0.5
吸油量 g/100g	Oil absorption g/100g	≤15
水萃取液电阻率 Ω·m	Resistivity Ω·m	≥80.0
金红石型含量 %	Rutile %	≥97
干粉白度 Powder Whiteness CIE L*a*b	L*	≥98.5
	a*	-
	b*	≤2.0
制漆白度 Paint Whiteness CIE L*a*b	L*	≥95.0
	b*	≤3.0
研磨分散性	Mull dispersibility	≤6.0
消色力 (与标样比较) %	Tinting Strength (compare with the standard sample) %	≥90
表面处理	Surface treatment	Al ₂ O ₃ ZrO ₂
粒径	Average particle size	About 0.38μm
应用领域	Application	
乳胶漆	Emulsion paints	
醇酸哑光漆	Alkyd matt paints	
PVC压延膜	PVC Rolling Film	
塑钢门窗	Plastic-steel window frame	

通过SGS以下测试 (Tested by SGS and Passed the Following Standards/regulations):

RoHS

EN71-3

卤素含量 Halogen Content

REACH

邻苯二甲酸酯含量 Phthalates Content

多环芳香烃化合物含量 PAHs Content

鑫钛牌金红石钛白粉 R-626

XINTI Brand Rutile Type Titanium Dioxide R-626



基本信息 (Product Information):

型号 (Type) : 金红石 Rutile

表面处理 (Surface Treatment): 锆、铝 Zirconium and Aluminium

产品特性 (Product Characteristics) :

本产品不仅白度好, 且具有高分散性、高消色力、高遮盖力、高光泽和高稳定性, 适合于涂料、油墨、造纸和塑料等用途。亦可用于其他特种用途如粉末涂料、汽车修补漆、卷钢涂料及塑钢门窗等。

R-626 is suitable for various kinds of industrial application such as coating, inks, paper and plastics. It is also suitable for speciality applications such as powder coating, automotive refinishing coating, window frames and coil coatings. The grade is designed for high opacity, excellent dispersion, durability and colour.

技术指标 (Technical Specification) :

检验项目 Item		质量指标 Specification
二氧化钛含量	TiO ₂ %	≥94.0
105 °C 挥发物 %	105 °C Volatile %	≤1.0
筛余物 (过45μm筛)	Fineness (45μm sieve residue)	≤0.1
PH值	pH	6.0~9.0
水溶物 %	Matter soluble in water %	≤0.5
吸油量 g/100g	Oil absorption g/100g	≤18
水萃取液电阻率 Ω·m	Resistivity Ω·m	≥80.0
金红石型含量 %	Rutile %	≥98
干粉白度 Powder Whiteness CIE L*a*b	L*	≥98.5
	a*	-
	b*	≤2.40
制漆白度 Paint Whiteness CIE L*a*b	L*	≥95.0
	b*	≤3.0
研磨分散性	Mull dispersibility	≤6.0
消色力 (与标样比较) %	Tinting Strength (compare with the standard sample) %	≥90
表面处理	Surface treatment	Al ₂ O ₃ ZrO ₂
粒径	Average particle size	About 0.38μm

应用领域

Application

乳胶漆 Emulsion paints
醇酸哑光漆 Alkyd matt paints
(油性)高光漆 Gloss paints (solvents base)
汽车漆 Automotive finishes
粉末涂料 Powder coating
塑钢门窗 Plastic-steel window frame
金属装饰漆 Metal decorative paints
卷钢涂料 Coil coating

通过SGS以下测试 (Tested by SGS and Passed the Following Standards/regulations):

RoHS

EN71-3

卤素含量 Halogen Content

REACH

邻苯二甲酸酯含量 Phthalates Content

多环芳香烃化合物含量 PAHs Content

鑫钛牌金红石钛白粉 CR-618

XinTi Brand Rutile Type Titanium Dioxide CR-618



基本信息(Product Information):

型号 (Type) : 金红石 Rutile

表面处理 (Surface Treatment): 锆 Zirconium, 铝 Aluminum

产品特性 (Product Characteristics):

本产品采用氯化法工艺生产, 不仅白度好, 且具有高分散性、高消色力、高遮盖力、高光泽和高稳定性, 适合于涂料、油墨、油漆等用途, 同时也适用于色浆色片、塑料、橡胶、和皮革。

R-618 is produced by chlorination process, which is designed for good whiteness, excellent dispersion, excellent lightening power, high opacity, high gloss and high stability. R-618 is suitable for various kinds of industrial application such as coating, inks, paint. Also is suitable for color paste, plastic and rubber.

技术指标 (Technical Specification) :

检验项目 Item		质量指标 Specification
二氧化钛含量	TiO %	≥94.0
105 °C 挥发物 %	105 °C Volatile %	≤0.50
筛余物 (过45μm筛)	Fineness (45μm sieve residue)	≤0.02
PH值	pH	6.0~8.5
水溶物 %	Matter soluble in water %	≤0.5
吸油量 g/100g	Oil absorption g/100g	≤20
水萃取液电阻率 Ω·m	Resistivity Ω·m	≥60
金红石型含量 %	Rutile %	≥99.5
干粉白度	CIE L*a*b	L*
		a*
		b*
研磨分散性	Mull dispersibility	≤6.0
消色力 (与标样比较) %	Tinting Strength (compare with the standard sample) %	≥105
表面处理	Surface treatment	Al ₂ O ₃ ZrO ₂
粒径	Average particle size	About 0.38μm
应用领域 Application		
涂料	Coating	
油墨	Solvent-based ink	
油漆	Paints	
塑料	Plastics	
橡胶	Rubber	
皮革、色浆色片	Leather, color paste and sheet	

通过SGS以下测试 (Tested by SGS and Passed the Following Standards/regulations):

RoHS

EN71-3

卤素含量 Halogen Content

REACH

邻苯二甲酸酯含量 Phthalates Content

多环芳香烃化合物含量 PAHs Content

鑫钛牌金红石钛白粉 CR-658

XinTi Brand Rutile Type Titanium Dioxide CR-658



基本信息(Product Information):

型号(Type) : 金红石 Rutile

表面处理(Surface Treatment): 铝 Aluminum

产品特性(Product Characteristics):

本产品采用氯化法工艺生产, 色相蓝, 且具有高分散性, 低吸油量以及优异的耐黄变性. 特别适用于色母粒和工程塑料等领域

R-658 is produced by chlorination process, which has blue tone, with excellent dispersion, low oil absorption ability and excellent resistance to yellowing. R-658 is special designed for plastic application such as masterbatch, engineer plastics and etc.

技术指标(Technical Specification) :

检验项目 Item		质量指标 Specification
二氧化钛含量	TiO %	≥96.0
105 °C 挥发物 %	105 °C Volatile %	≤0.50
筛余物(过45μm筛)	Fineness (45μm seize residue)	≤0.02
PH值	pH	6.0~8.5
水溶物 %	Matter soluble in water %	≤0.5
吸油量 g/100g	Oil absorption g/100g	≤16
水萃取液电阻率 Ω·m	Resistivity Ω·m	≥60
金红石型含量 %	Rutile %	≥99.5
干粉白度	L *	≥97.5
	a *	-
	b *	≤2.0
研磨分散性	Mull dispersibility	≤6.0
消色力 (与标样比较) %	Tinting Strength (compare with the standard sample) %	≥115
表面处理	Surface treatment	Al ₂ O ₃
粒径	Average particle size	About 0.3μm
应用领域	Application	
色母粒	Masterbatch	
工程塑料	Engineer plastics	
PVC (增塑类)	Pvc (plasticized)	
溶剂型油墨	Solvent ink	

通过SGS以下测试 (Tested by SGS and Passed the Following Standards/regulations):

RoHS

EN71-3

卤素含量 Halogen Content

REACH

邻苯二甲酸酯含量 Phthalates Content

多环芳香烃化合物含量 PAHs Content

鑫钛牌金红石钛白粉 R-626 你最好的选择

R-626 Titanium Dioxide-Your Best Choice



你最好的选择 You Best Choice

洪大集团隆重为您介绍这款应用于涂料行业的改进型多功能钛白粉 R-626型。满足您所在寻求的各种需要。R-626型是您对所有涂层需求的最佳选择。使用我们洪大集团R-626型钛白粉的技术优势列举如下：

Hongda would like to introduce an improved, multi-functional titanium dioxide for the coating industry called R-626. Delivering all the benefits you are looking for. R-626 is the best choice for all your coating needs. The technical advantages of using XinTi Titanium Dioxide PNR-626 are listed below:

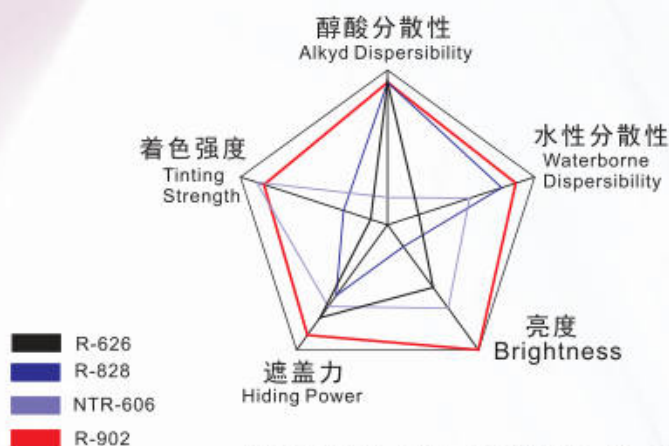
产品优势 1: R-626为您提供总体价值
Advantage 1: R-626 Delivers Total Value

提高了遮盖力 Improved Hiding Power

- 更好的涂层覆盖 Better coating coverage
- 最少量的钛白粉用于涂料配方 Minimum TiO_2 use in coating formulation

R-626 型于各种涂料配方中都能提供优异的遮盖力和着色强度。如图所示, 我们通过广泛的测试表明: R-626型一致优于全球竞争对手产品的多种品级, 超强的色散力和独特的粒径分布是 R-626型优异的光学性能的关键。使用 R-626 将提供优异的涂层覆盖, 并可以通过降低钛白粉在涂料中的用量, 来使涂料生产商减少涂料原材料的成本费用。

R-626 provides exceptional hiding power and tint strength in a wide variety of coating formulation as shown, our extensive testing has shown that R-626 consistently outperforms multi-functional grades from XinTi competitors. The exceptional dispersion and unique particle size distribution of R-626 is the key to excellent optical performance. Using R-626 will provide excellent coating coverage and may allow coating producers to reduce the coating raw material costs by reducing the amount of TiO_2 in the paint.



性能属性量表扩展以说明相对色素的差异
*performance attribute scales expanded to illustrate relative pigment differences

鑫钛牌金红石钛白粉 R-626 你最好的选择

R-626 Titanium Dioxide-Your Best Choice



产品优势 2: R-626 型易于在溶剂型醇酸树脂体系下分散，并且在长油醇酸配方中具有较快的分散时间。

Advantage 2: R-626 Disperses easily in solvent based alkyds, and has faster dispersion times in long oil alkyd formulations

如图所示，表明在醇酸树脂体系下，R-626型的易分散性与竞争品级之间的比较。它还强调了其在提高生产效率与节省能源上所提供的的作用。使用专有的协议来衡量不分散的颗粒数。

随着醇酸树脂分散时间和强度的增加，色散条件是通过一种特殊的分散性计量器来评估，利用杜邦的光学计数器（DOC），通过提取缩编的数字图像，来对色散条件进行分析。

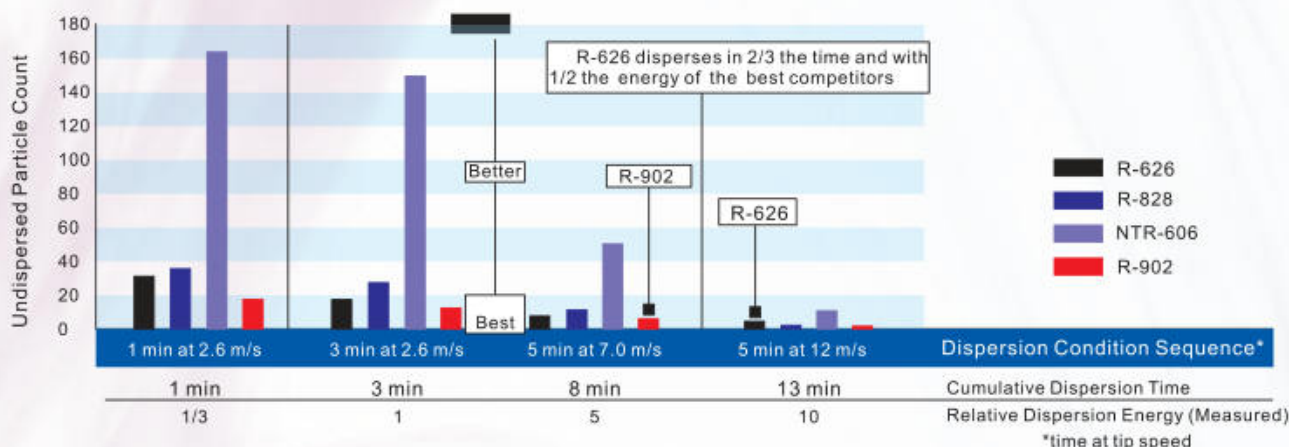
结果表明，不同的研磨条件下，不同牌号的二氧化钛分散程度差别很大。然而大多数颜料需要极高的研磨强度（5分钟内12米/秒）来实现清洁分散（不分散粒子<10）。R-626型则用更少的时间和成本达到完整的分散效果。

As shown in the figure, demonstrates in alkyds, the ease of dispersion R-626 relative to competitive grades. It also highlights improved productivity and energy savings.

As alkyd dispersion time and intensity are increased, the dispersion condition is evaluated using a special hegan gauge dispersion condition is analyzed using the DuPont Optical Counter(DOC) which takes a digital image of the drawdown. And used proprietary protocol to measure the number of undispersed particles.

The results show wide variation in how different TIO₂ grades disperse following the various grind conditions. While most pigments require the highest grind intensity (5 minutes at 12m/s) to achieve a clean dispersion (<10 undispersed particles).

R-626 achieves complete dispersion using much less time and cost.

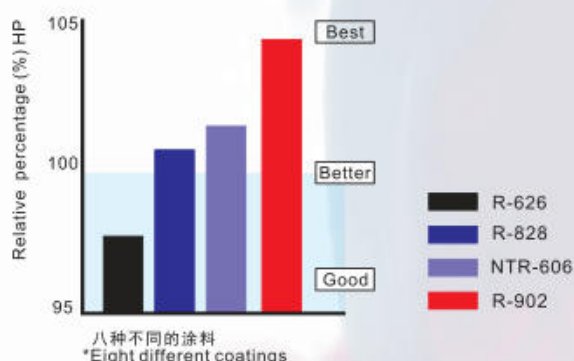


鑫钛牌金红石钛白粉 R-626 你最好的选择

R-626 Titanium Dioxide-Your Best Choice



优势 3: R-626 型提供优越的遮盖力和较低的吸油量
Advantage 3: R-626 Provides superior hiding power and lower oil absorption



优异的分散力

Superior Dispersion

- 更低的能耗
• Lower energy consumption
- 更短的分散时间，更高的生产效率
• Higher productivity from shorter dispersion time
- 通过更一致的分散力改善产品质量的一致性
• Improved product quality consistency from more consistent dispersion

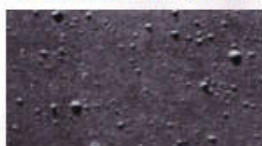
R-626型还提供: R-626 also provides

- 优异的着色力
• Superior tinting strength
- 带有明亮蓝相的白度
• Bright bluish shade whiteness

优势 4: R-626型能在水性体系中改善分散时间和节约能源。

Advantage 4: R-626 improves dispersion time and energy saving in water based systems.

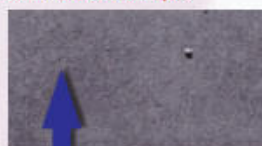
竞争对手A产品
以1000rpm的速度
混合于丙烯酸乳液中20分钟
Competitor A mixed in acrylic
emulsion 20 minutes at 1000 rpm



竞争对手A产品
以1000rpm的速度
混合于丙烯酸乳液中40分钟
Competitor A mixed 40 minutes at
1000 rpm



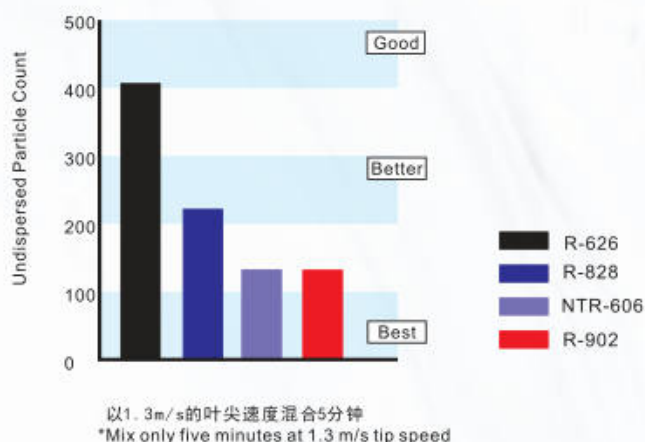
R-626型
以1000rpm的速度
混合于丙烯酸乳液中20分钟
PNR-626 mixed in acrylic emulsion
20 minutes at 1000 rpm.



R-626型比低能量混合的
竞争对手A的分散效果更好
PNR-626 disperses much better
than competitor A with low energy
mixing

即使混合达两倍时长后，竞争
对手A的产品在分散效果上依然
没有 R-626来得好。
Even after mixing twice as long,
Competitor A still not dispersed
as well as R-626.

优势 5: R-626型易分散在丙烯酸乳液中。
Advantage 5: R-626 disperses easily in acrylic emulsions.



除了显著的技术效益，R-626型还提供商业优势
 相比于其他用于高标准涂料的钛白粉，它具有更好的品质

As well as significant technical benefits R-626 also provides commercial advantages
 comparative to other higher quality titanium dioxides used in higher specification coatings

Sales Network



Our International branch



洪大研发中心

R&D Center





 HONGDA GROUP LIMITED (SINCE 1992)

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