

R-298

攀钢R-298是一种采用硫酸法工艺生产的通用级（型）金红石钛白粉颜料，产品以优质、稳定的自产攀西钛精矿为生产原料，采用锆、铝无机包膜及复合有机处理工艺，具有优异的蓝色底相及光泽度，良好的分散性、遮盖力、耐候性，可广泛应用于木器漆、汽车修补漆、油墨、建筑涂料、工业涂料及型材等领域。

推荐应用领域

- 木器漆
- 汽车修补漆
- 油墨
- 建筑涂料
- 工业涂料

产品储存

避免产品受潮和暴晒。

产品包装

产品采用 25 kg、500kg、1000 kg三种包装

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R-298

R-298 is a general grade of rutile TiO_2 pigment. It is produced by sulfate process with high-quality ilmenite concentrate from Panzhihua & Xichang area. Advanced inorganic coating by aluminum and zirconium, compound organic treatment has been adopted in production. It has the advantages of excellent bluish undertone and gloss, good dispersibility, strong hiding power, and good weather resistance. It can be widely used in carpentry paint, automotive repair paint, inks, architectural paint, industrial paint, plastic profiles, etc.

Recommended Applications

- Carpentry paint
- Automotive repair paint
- Inks
- Industrial paint
- Architectural coating

STORAGE

Avoid damp and sun exposure.

PACKING

In 25kg, 500kg, 1000kg bags

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Technical Index		
Index Item	Standard	Typical Value
TiO_2 Content, % $\geq$	91.0	94.5
Content of rutile, % $\geq$	98.0	98.0
Brightness, % $\geq$	95.0	95.0
Whiteness (visualization, compared with standard sample)	Not less than	Not less than
L (dry powder)	—	97.9
b (dry powder)	—	1.6
Reducing power (Reynolds number)	1920	1930
Dispersibility (Hegman) $\geq$	6.50	6.5
Oil absorption, g/100g $\leq$	20	17
Slurry pH	6.0~9.0	7.3
Electric resistivity, $\Omega\cdot\text{m}$ $\geq$	80	130
Volatile at 105℃, % $\leq$	0.8	0.3
Sieve residue (45 μm), % $\leq$	0.02	0.01
Average partical size(nm) SEM	—	240
Inorganic treatment	$\text{ZrO}_2\text{-Al}_2\text{O}_3$	—
Organic treatment	Yes	—

R-248

攀钢R-248是一种采用硫酸法工艺生产的塑料专用金红石钛白粉颜料，产品以优质、稳定的自产攀西钛精矿为原料，采用锆、铝无机包膜及复合有机处理工艺，广泛应用于硬塑及对耐候性要求较高的塑料体系,具有蓝白底相、流动性好、低吸油量及良好的着色性等特性。

推荐应用领域

- 色母粒
- 多层共挤膜
- 管材
- 粉末涂料

产品储存

避免产品受潮和暴晒

产品包装

产品采用 25 kg、500kg、1000 kg三种包装

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R-248

R-248 is a plastic grade of rutile TiO₂ pigment. It is produced by sulfate process with high-quality ilmenite concentrate from Panzhihua & Xichang area. Advanced inorganic coating by aluminum and zirconium, compound organic treatment has been adopted in production. It has been used widely in rigid and high-durability plastic fields. R-248 has the advantages of bluish undertone, good fluidity, low oil absorption and good dyeing property, etc.

Recommended Applications

- Master batch
- Multilayer co-extruded film
- Plastic pipe
- Powder paint

STORAGE

Avoid damp and sun exposure.

PACKING

In 25kg,500kg,1000kg bags

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Technical Index		
Index Item	Standard	Typical Value
TiO ₂ Content , % ≥	95.0	96.5
Content of rutile, % ≥	96.0	97.0
Brightness, % ≥	94.2	94.9
Whiteness (visualization , compared with standard sample)	Not less than	Not less than
L (dry powder)	—	97.9
b (dry powder)	—	1.6
Reducing power (Reynolds number)	1850	1870
Dispersibility (Hegman) ≥	5.75	6.50
Oil absorption, g/100g ≤	19	15
Slurry pH	6.0-9.0	7.5
Electric resistivity, Ω·m ≥	60	120
Volatile at 105℃, % ≤	0.8	0.2
Sieve residue (45μm) , % ≤	0.02	0.01
Average partical size(nm) SEM	—	220
Inorganic treatment	ZrO ₂ ,Al ₂ O ₃	—
Organic treatment	Yes	—

R-249

攀钢R-249是硫酸法工艺生产的塑料专用金红石型钛白产品，产品以优质的攀西钛精矿为原料，通过严格的工艺参数设计和过程参数控制获得了优异的粒径分布，并采用无机和有机包膜工艺，可广泛应用于柔性及非高耐候塑料领域。产品具有卓越的分散性、优异的蓝色白度，良好的耐高温抗黄变性及高温流延不破孔等特性。

推荐应用领域

- 高浓度色母粒
- 耐高温塑料（如PC、PET、ABS等）
- 流延膜

产品储存

避免产品受潮和暴晒

产品包装

产品采用 25 kg、500kg、1000 kg三种包装

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R-249

R-249 is a plastic grade of rutile TiO_2 pigment. It is produced by sulfate process with high-quality ilmenite concentrate from Panzhihua & Xichang area. It has the prominent particle size and distribution by precise process parameter designing and controlling. It uses special inorganic and organic coating treatments. So, R-249 has excellent application performance in flexible and moderate durability plastics. It has the advantages of prominent dispersibility, excellent bluish undertone, whiteness, high temperature anti-yellowing, non-breaking during production of casting film at high temperature, etc.

Recommended Applications

- High concentration of masterbatch
- High temperature resistant plastic (such as PC, PET, ABS, etc.)
- Casting film

STORAGE

Avoid damp and sun exposure.

PACKING

In 25kg, 500kg, 1000kg bags

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技术指标			
指标		标准	典型值
二氧化钛含量, %	≥	96.0	96.8
金红石含量, %	≥	96.0	98.0
亮度 (Jasn), %	≥	94.5	94.8
白度 (目视, 比标样)		不低于	不低于
干粉L*		—	98.0
干粉B*		—	1.4
消色力(雷诺指数)	≥	1800	1890
分散性(黑格曼数)	≥	6.00	6.50
吸油量, g/100g	≤	17.0	14.0
105℃挥发物, %	≤	0.5	0.1
320° 耐高温抗黄变ΔE	≤	—	0.5
SEM平均粒径 (nm)		—	210
无机处理		Al_2O_3	—
有机处理		有	—

Technical Index		
Index Item	Standard	Typical Value
TiO_2 Content, %	≥ 96.0	96.8
Content of rutile, %	≥ 96.0	98.0
Brightness, %	≥ 94.5	94.8
Whiteness (visualization, compared with standard sample)	Not less than	Not less than
L* (dry powder)	—	98.0
B* (dry powder)	—	1.4
Reducing power (Reynolds number)	1800	1890
Dispersibility (Hegman)	≥ 6.00	6.50
Oil absorption, g/100g	≤ 17	14.0
Volatile at 105℃, %	≤ 0.5	0.1
Color 320℃, ΔE	—	0.5
Average partical size(nm) SEM	—	210
Inorganic treatment	Al_2O_3	—
Organic treatment	Yes	—

R-228

攀钢R-228是一种硫酸法工艺生产的油墨专用金红石型钛白产品。产品以优质的攀钢自产钛精矿为原料，通过严格的过程指标设计及控制获得了优异的粒径分布，并采用无机及有机处理复合包膜工艺，在油墨应用体系中具有卓越的分散性、高光泽、高白度、低黏度、适当的遮盖力及高安全性能。可广泛应用于各种油墨及对光泽要求较高的室内高端涂料领域。

推荐应用领域

- 复合里印油墨
- 高光泽表印油墨
- 高光泽高端装饰涂料

产品储存

避免产品受潮和暴晒

产品包装

产品采用 25 kg、500kg、1000 kg三种包装

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R-228

R-228 is a grade of rutile TiO₂ Pigment for inks. It is produced by sulfate process with high-quality ilmenite concentrate from Panzhihua area. It has the prominent particle size and distribution by precise process parameter designing and controlling, and has the special inorganic and organic coating treatment. So, it has excellent dispersibility, high gloss, high whiteness, lower viscosity, moderate hiding power and prominent safety . It can be widely used in inks, interior high gloss paint etc.

Recommended Applications

- Compound surface printing inks
- High gloss reverse printing inks
- Interior high gloss paint

STORAGE

Avoid damp and sun exposure.

PACKING

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Technical Index		
Index Item	Standard	Typical Value
TiO ₂ Content , % ≥	91.0	95.5
Content of rutile, % ≥	98.0	98.0
Brightness, % ≥	95.0	95.0
Whiteness (visualization , compared with standard sample)	Not less than	Not less than
L* (dry powder)	—	98.0
B* (dry powder)	—	1.4
Reducing power (Reynolds Number)≥	1850	1900
Dispersibility (Hegman) ≥	6.50	6.50
Oil absorption, g/100g ≤	18	16
Slurry pH	6.0~9.0	8.0
Electric Resistivity, Ω.m	80	130
Volatile at 105℃, % ≤	0.8	0.3
Sieve residue (45μm), % ≤	0.02	0.01
Surface treatment	—	Yes