

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

技术指标		
指标	标准	典型值
二氧化钛含量, % ≥	95.0	96.5
金红石含量, % ≥	96.0	97.0
亮度 (Jasn), % ≥	94.2	94.9
白度 (目视, 与标样比)	不低于	不低于
干粉L值	-	97.9
干粉b值	-	1.6
消色力(雷诺指数) ≥	1850	1870
分散性(黑格曼数) ≥	5.75	6.50
吸油量, g/100g ≤	19	15
水悬浮液pH值	6.0-9.0	7.5
水萃取液电阻率, Ω·m ≥	60	120
105℃挥发物, % ≤	0.8	0.2
筛余物 (45 μm筛孔), % ≤	0.02	0.01
SEM平均粒径 (nm)		220
无机处理	ZrO ₂ , Al ₂ O ₃	-
有机处理	有	-

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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

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 (45 μm), % ≤	0.02	0.01
Average partical size(nm) SEM	-	220
Inorganic treatment	ZrO ₂ , Al ₂ O ₃	-
Organic treatment	Yes	-

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