

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 is a plastic grade of rutile TiO₂ 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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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□ , □ E ≤	—	0.5
Average partical size(nm) SEM	—	210
Inorganic treatment	Al ₂ O ₃ ,	—
Organic treatment	Yes	—