

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。采用特殊的无机和有机包膜工艺，在塑料应用领域中具有高分散、耐高温抗黄变、300℃流延不破孔、优异的蓝相白度、憎水性佳等应用性能。

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

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
常规油相b值 (与标准样比)	不低于	不低于
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	15.0
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 ₂ O ₃	-
有机处理	有	-
安全性能		
1、镉、铅、汞、六价铬、多溴联苯 (PBBS)、多溴二苯醚 (PBDEs) 符合欧盟 RoHS指令2011/65/EU附录 II 的修正指令 (EU) 2015/863的限值要求;		
2、符合欧盟 AP(89)1决议食品接触性材料着色剂纯度要求, 也满足GB9685-2016《食品接触材料及制品用添加剂使用标准》中着色剂纯度要求。		

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R-249 is a grade of rutile TiO₂ Pigment for plastics. It is produced by sulfate process. It uses the special inorganic and organic coating treatment. It has excellent performance in application of plastics, such as good dispersibility, high temperature resistance, anti-yellowing, non-breaking during production of casting film at 300℃, bluish undertone, good hydrophobicity 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
Brightness, % ≥	94.5	94.8
b (Oil system, comparison to standard sample)	not less than	not less than
Reducing power (Reynolds number)	1800	1890
Dispersibility (Hegman) ≥	6.00	6.50
Oil absorption, g/100g ≤	17	15.0
Volatile at 105℃, % ≤	0.5	0.1
Color 320℃, ΔE ≤	-	0.5
Average partical size(nm) SEM	-	210
Inorganic treatment	Al ₂ O ₃	--
Organic treatment	Yes	--
Safety performance		
1. Cadmium, lead, mercury, hexavalent chromium, PBBS and PBDEs conform to the limiting value requirement of the RoHS Directive 2011/65/EU Appendix II Revision Directive (EU) 2015/863		
2. It conforms to the purity requirement for food contacted materials of the EU AP (89) 1 Resolution, and meet the requirement of GB9685-2016 Hygiene Standard for Application of Additives to Food Containers and Packing Materials		