

Technical Data Sheet

Version: EN 1.0

Talict Series

INCI Name: **Talc**

Selected high-quality mineral resources with high purity, whiteness, and transparency, Talict has low iron and heavy metal content. It is also asbestos free, safe to use. The fine powder grinding technology makes the powder surface round and smooth, high gloss, concentrated particle size distribution, and high radius-thickness ratio. Talict can be applied to coating, paint films, resins and various polymers to enhance mechanical properties. KingPowder's unique surface hydrophilic and lipophilic modification treatment can improve talc powder's wetting dispersing properties and suspension stability in their respective systems, reduce oil absorption, and improve product performance as well.

Product Parameters:

Appearance: (visual inspection)	White powder
Particle size: (D50, laser particle size analyzer)	5、10、17μm
SiO ₂ content: (%, detection based on section 5.2 in GB/T15343)	≥60
pH value: (2% aqueous solution, stirring for 30 minutes on 40°C, then filtering and cooling, measuring pH value of the filtrate)	7.00-10.00
Tap density: (g/cm ³ , Tap density analyzer, 290-300 vibration/minute, 20 minutes)	0.30-0.80
Loss on drying: (%, 105°C, 3hrs)	≤1.00

Product Specifications:

Product name	D 50 mean particle size (μm)	Whiteness	Dispersion properties
Talict 111	17	≥88	No surface treatment
Talict 112	10	≥90	No surface treatment
Talict 113	5	≥90	No surface treatment
Talict S112	10	≥90	Lipophilic
Talict AQ113	5	≥90	Hydrophilic
Others			

Product Features and Applications:

Features:

- 1) Lamellar structure with high radius-thickness ratio, high rigidity, impact strength and flexural modulus.

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- 2) High temperature resistance, low shrinkage, corrosion resistance, oxidation resistance and flame retardant.
- 3) Lubricating performance, excellent machining performance, good transparency and high gloss.
- 4) High purity, no impurities, comply with domestic and overseas regulations, safe to use.

Applications:

Talict can be applied to reach the high haze matting properties of the coating and the polishing processability. It can prevent warpage of rubber plastics, while improve their tensile strength, impact strength, and flame retardancy. It can increase the toughness, scratch resistance and tear resistance in the bumper of the car. It can also increase wear resistance and resilience in shoes materials.

Storage Information:

Manufacture area:	China
Packing:	15、20、25 kg/ barrel
Storage:	Sealed, storage in a cool and dry place away from light
Shelf life:	36 months

Date:2020/10/29