

Pappus[®]

Effect Pigments



The world's leader in
quality effect pigment technology





Pappus[®] Product Info.

- Platy TiO₂
- Glossy effect of TiO₂
- Very slow sedimentation due to light weight
- Smooth feeling and good coverage after application
- More clean shade & More whiteness

Particle size distribution

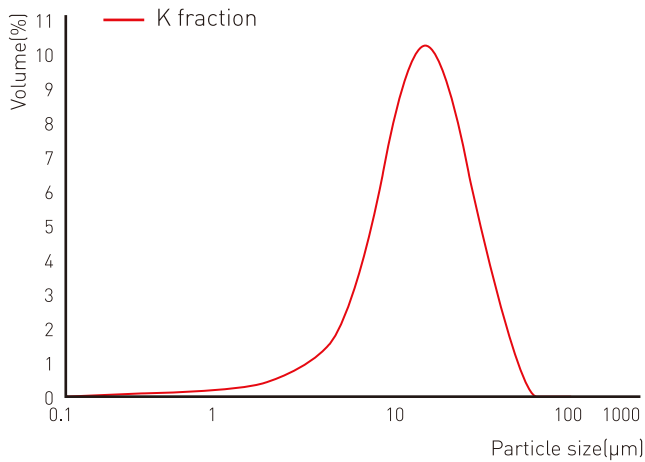


Fig 1. Particle size distribution(PSD) of Pappus® which has a range of 5-35µm(D10-D90)

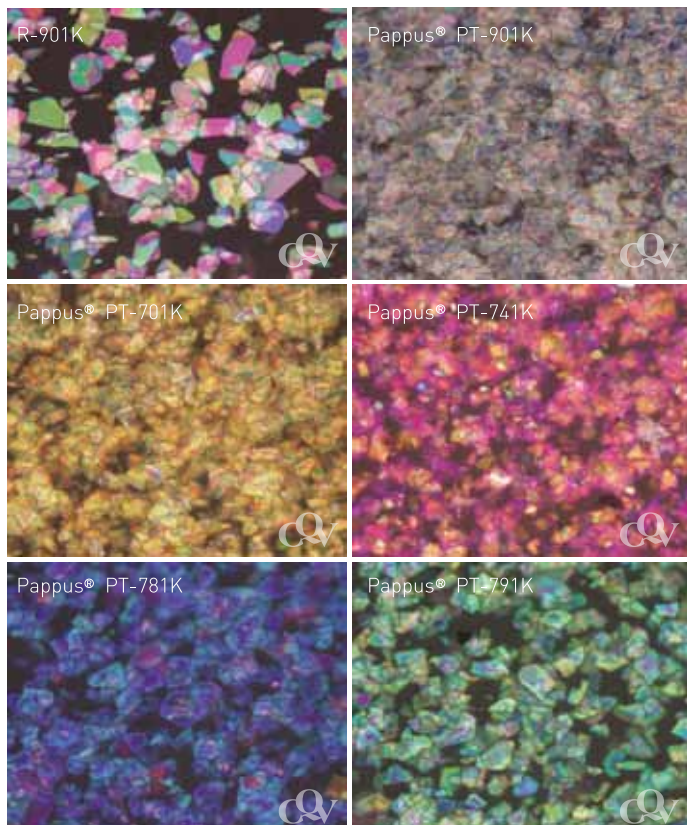
SEM Image



Fig 2. Comparison between SEM images of Pappus® and normal pearlescent pigments. This unique structure of Featheleve gives softness on touch and better higing power.

Microscopy Image(500X)

Fig 3. Within the same condision of cocentration(2%), Pappus® has better coverage of certain area than normal pearlescent pigments. It also means that Pappus® is very light in weight just like a feather.



Gloss Measurement

Comparison of gloss measurements on white background(Draw Down)

Product \ Angle	20°	60°	85°
R-901K 6%	18.6	56.9	60.5
Pappus® PT-901K 6%	21.5	65.9	69.7

Comparison of gloss measurements on black background(Draw Down)

Product \ Angle	20°	60°	85°
R-901K 6%	17.7	54.1	60.0
Pappus® PT-901K 6%	21.1	65.1	72.3

* Measuring device: Gloss Meter PG-1M

Table 1.

Pappus® has a good luster and this characteristic comes from its superior hiding power.

Pappus® Effect Pigments

Pappus® series are effect pigments with new concept.

Pappus® series have a platy TiO_2 structure and this structure cannot be found in existing pearlescent pigments.

Main component of these products is TiO_2 but these products display the features of effect pigment not pigment. These products have a special color, sparkling effect and feeling by structural features.

Also, these products are very light and can be used effectively in sedimentation considering formulations.

By using these products with special features, you can develop new type innovative products not existing.

Special Features

- Platy TiO_2
- Glossy effect of TiO_2
- Very slow sedimentation due to light weight
- Smooth feeling and good coverage after application
- More clean shade & More whiteness

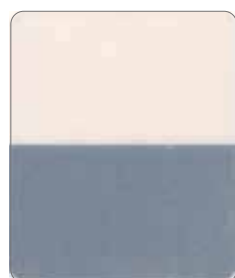
Applications

- Injection Molding
- Blow Molding
- Industrial Processing
- Ink & Printing
- Plastic, Leather, Wood and Industrial Coatings
- Dispersion paints



Pappus®

Effect Pigments



Pappus® PT-901K Real Pearl White
Pappus® PT-901K
Size(μm) 5-35



Pappus® PT-701K Real Pearl Gold
Pappus® PT-701K
Size(μm) 5-35



Pappus® PT-741K Real Pearl Red
Pappus® PT-741K
Size(μm) 5-35



Pappus® PT-781K Real Pearl Blue
Pappus® PT-781K
Size(μm) 5-35



Pappus® PT-791K Real Pearl Green
Pappus® PT-791K
Size(μm) 5-35

Pappus®

Effect Pigments Technical Data

Code	Product Name	Particle Size(μm)		pH	Composition		
		(D10-D90)	(D50)	(10% Sol.)	TiO ₂	SnO ₂	SiO ₂
Pappus® PT-901K	Pappus® PT-901K Real Pearl White	5 - 35	13 - 19	7 - 11	○	○	○
Pappus® PT-701K	Pappus® PT-701K Real Pearl Gold	5 - 35	10 - 16	7 - 11	○	○	○
Pappus® PT-741K	Pappus® PT-741K Real Pearl Red	5 - 35	10 - 16	7 - 11	○	○	○
Pappus® PT-781K	Pappus® PT-781K Real Pearl Blue	5 - 35	10 - 16	7 - 11	○	○	○
Pappus® PT-791K	Pappus® PT-791K Real Pearl Green	5 - 35	10 - 16	7 - 11	○	○	○

CQV GLOBAL NETWORK

“Global Supplier of High Quality Effect Pigment Technologies.”



Creation of Quality Value

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