

# AngeColor<sup>®</sup>

AG1xx AY:Anti-yellowing for plastics  
AGxxxWND:No-dusting for plastics



JOINTCOLOR GROUP (HK) CO., LIMITED

颜庄集团（香港）有限公司.

## About JointColor

JointColor is a professional supplier of pearl effect pigments , glitter pigments and multi-functional mica fillers in China, it is an integrated researching, manufacturing, sales and marketing organization under the aegis of JointColor Group (HK) Co., Ltd., holding more than dozen patents of invention, having over 30 years experience in this field, offering over 600 products for cosmetics application, offering more than 500 products for coatings, inks & plastics, having well equipped R&D and application labs expertly supporting a number of industries including coatings, printing, plastics and cosmetics.

We adhere to the "Dedication, Cooperation, Innovation" corporate philosophy, constantly innovate to provide customers with series customized products to meet our customer demand, in order to cope with the increasingly fierce market competition, to create our customers a commercial success.



## AngeColor-AY series: Anti-yellowing series for plastics application

For TiO<sub>2</sub> coated mica or synthetic mica silver white pearlescent pigments, because titanium dioxide is a kind of photochemical active substances, so when the silver white pearlescent pigments added to plastic, paint or ink, under the action of UV light, can cause titanium dioxide and the resin material reaction, cause the phenomenon such as yellowing or lose light. When the silver white pearl pigment is added to the polyolefin composition containing antioxidant, the polyolefin composition will also be yellowing due to the chemical action of the antioxidant (aniline or phenol derivatives) and titanium dioxide.

Our AngeColor-AY post surface treated pearlescent pigment has stable color in the process of use, excellent resistance to the discoloration caused by UV light, and can also prevent yellowing when used in antioxidant hydrocarbon composition.

## Photostability test of AG anti-yellowing products(yellowing index)

Pigment	Yellowing in the Dark with Phenolic Anti Oxidants	UV light plus BHT	Light fastness (HD-PE) (Weathering)
AG120(Anatase)	3	3	7-8
AG123(Rutile)	6	3	8
AG111AY	8	8	>8
AG120AY	6	8	>8
AG100AY	6	8	>8
AG6116AY	6	8	>8
AG6126AY	6	8	>8
AG6136AY	6	8	>8

## AngeColor-WND series: No-dusting series for plastics application

In order to solve the problem of dust pollution and crushing in the application of color masterbatch, we launched a series of products composed of 70% effect pigment and 30% low molecular polyethylene wax.

## AngeColor-AY Series



AG111AY 1-15 Fine Satin Pearl



AG120AY 5-25 Shiny Satin



AG100AY 10-60 Silver Pearl



AG6116AY 1-15 Pure Satin White



AG6126AY 5-25 Pure White Silk



AG6136AY 10-60 Pure Silk Silver

## AngeColor-WND Series



AG303WND 10-60 Royal Gold



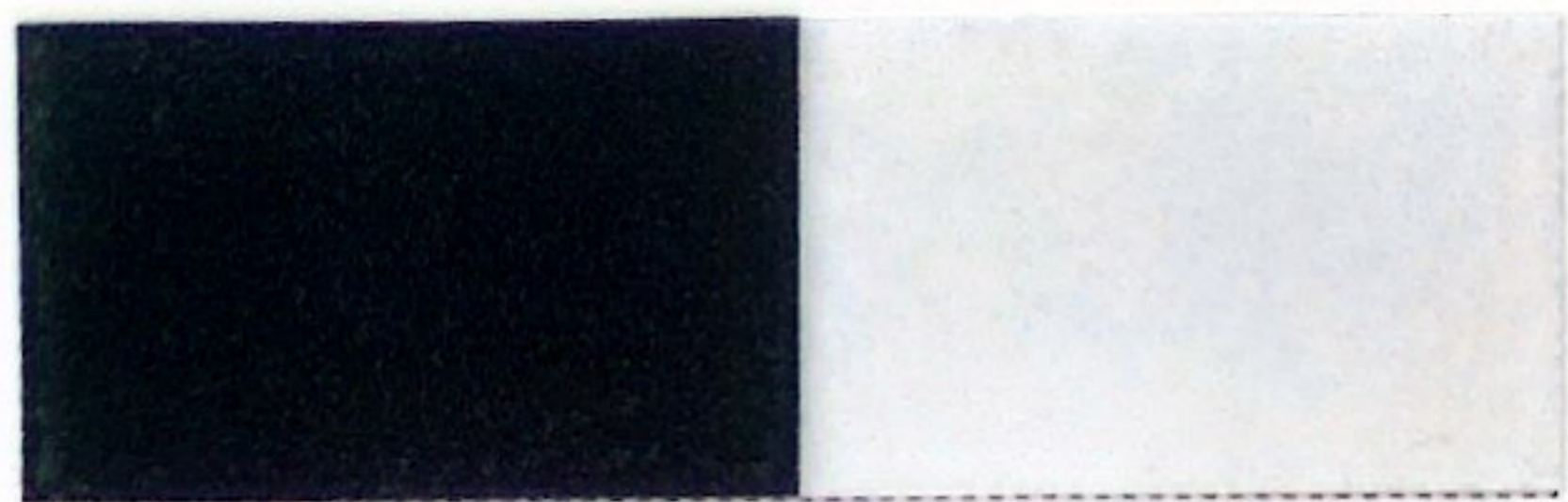
AG100WND 10-60 Silver Pearl



AG6332WND 10-60 Reddish Gold



AG6136WND 10-60 Pure Silk Silver



AG6168WND 50-250 Silver White

Disclaimer: To the best of our knowledge, the above information is correct. However, the final decision for any material is incumbent on the user. All materials may have unknown hazards and should be used with caution. Although some hazards are described here, we cannot guarantee that these are the only hazards. Please make sure that this information is passed on to professionals.



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