

Technical Data Sheet

AHA2016

Matting agent for hybrid powder coatings

Description

AHA2016 is matting agents designed for satisfying wide ranges of curing of requirements, having universal applicability to any polyester resins, whether fast-curing or not, and synthetic resin based matting agent for hybrid powder coatings. The use of this product can provide ranges from 12 to 70% of low gloss, excellent flow and outstanding anti-yellowing as well as eliminating effectively fingerprint on coating surface.

Typical properties

Appearance	[visual]	Slightly yellow powder
Melting Point (°C)	[DSC]	128-134
Volatiles (%)		≤1.5

Application and Characteristics

- Suitable for any 50 to 50 or 60 to 40 type hybrid polyester resins without remarkable selectivity, whether fast-curing or not.
- Satisfy wide ranges of baking requirements to result in gloss-stable, excellent flow, and outstanding mechanical properties. The low temperature curing of 160°C/25min. or 170°C/20 min. can be achieved depending on the particular fast-curing polyester used in formulation.
- It is recommended to apply anti-yellowing of requirement due to excellent overbaking stability, $\Delta E \leq 1.8$ at 200°C×1hr.
- Eliminating effectively fingerprint on coating surface.
- The recoatability and transfer-image properties of coatings are not influenced. High film hardness & anti-scratch

Use levels

1-5% by weight, calculated on total formulation depending on the gloss required.

Curing schedule

200°C/10min (metal temperature)

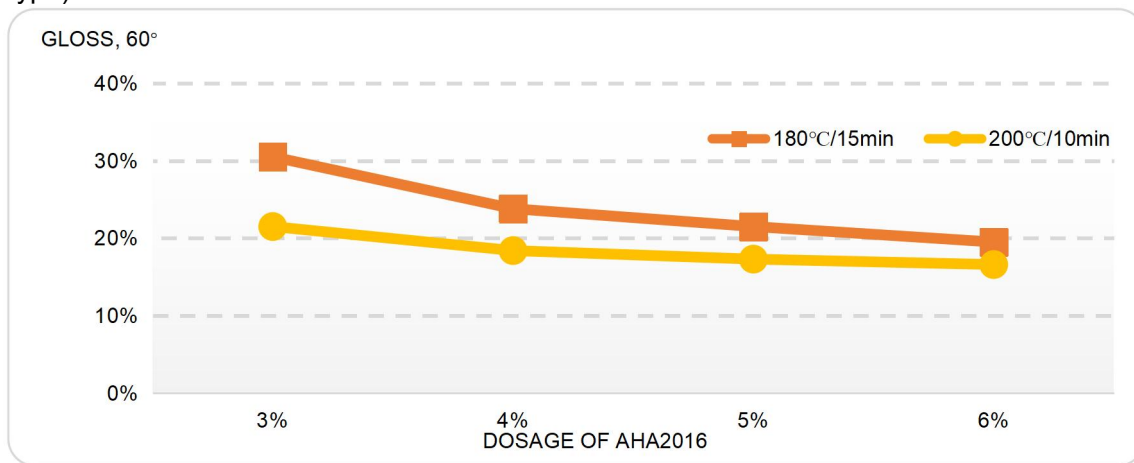
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Gloss VS Dosage

The relationship between gloss and dosage of AHA2016 based on polyester SJ3#B (50/50 type) as below:



Process

Pre-mixing with other ingredients together, then homogenized in a heated extruder.

Shelf life

Based on our experience the shelf life of this product is at least within one year from date of manufacture. For older than this period, it is recommended to re-check the performance.

Storage & Notice

Store in temperature between 2 and 35°C or cool dry place to avoid wetting-absorption. Keep package closed after using.

Handling & Precaution

Avoid contact with eyes and skin. Avoid breathing dust. Wash after handling.
For further information, please refer to the SDS

Regulatory status

AHA2199 complies with TSCA (USA), DSL/NDSL (Canada) and IECSC(China).

Package

Packaged in craft paper bag with polyethylene liner. Net weight 25 Kg per bag.

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