

Technical Data Sheet

AHA2019

Matting agent for TGIC powder coatings

Description

AHA2019 is a polyolefin wax based matting agent used mainly in PES/TGIC exterior durable powder coating to provide less than low gloss of 15%. It features excellent color stability and flow, especially, it is recommended to use in black or dark shades of powders.

Typical physical data

Appearance	[visual]	Pale yellow color powder
Melting point (°C)	[melting point apparatus]	150-160
Bulk density (g/l)		680
Volatiles (%)		≤2

Herein described to be typical properties and do not constitute specification limits.

Application

AHA2019 is recommended as matting agent, in conjunction with the proper polyester resins, such as AHA P-5169 to use in exterior durable TGIC based powder coatings to provide less than 15% of low gloss.

Advantages:

- One shot, gloss stable and decreased to less than 15%
- Excellent flow
- Excellent anti-yellowing
- Easy to use and spray due to lower wax content
- Less defects such as spark or spot in dark appearance
- Better burnish resistance

Polyester resins recommended

- AHA-P5169, developed specially for matte TGIC powder coatings
- Any Primid based polyester resins but TGIC required as curing agent
- Uralac 5200, 5201 and 5900 from DSM
- Crylcoat 2441-2 from Cytec.
- Queli P9336TG from Hangzhou Sino-French.

Notice:

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Use levels

3- 5.5% based on total formulation by weight, depending on the gloss required.

Curing schedules

200/15min.

Processing

Mixed together with all of other components in a high-speed mixer, and afterwards extruded in a Kneader.

Handling & Precaution

Avoid contact with eyes and skin. Avoid breathing dust. Wash after handling.

For further information, please refer to the MSDS

Regulatory status

AHA2019 complies with TSCA (USA), DSL/NDSL (Canada) and IECSC(China).

Storage

Store in temperature between 2 and 30°C or cool dry place to avoid caking. Keep package closed after using. Keep away from fire.

Based on our experience the shelf life of this product is at least 3 years.

Package

Packaging with PE lined Kraft paper bag. Net weight 25 Kg per bag.

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