

*Experimental product***AHA2151****Matting agent for TGIC powder coatings****Description**

AHA2151 is an effective matting agent for TGIC system. This product provides lowest gloss approaching to 5% (60°), better flow and overall technical performances. In addition, it is featured by excellent gloss stability in varying temperature baking conditions.

Typical physical data

Appearance	[visual]	White powder
Melting ranges(°C)	[DSC]	108-138
Bulk density (g/cm ³)		0.50-0.58
Volatiles (%)		≤1.5

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

Application

AHA2151 is recommended as matting agent, in conjunction with the COOH-polyester resins, used in exterior durable TGIC based powder coatings.

Advantages:

- The lowest gloss approaching to **5% (black)**
- Gloss stable in varying temperature conditions
- Wax-free avoiding wax negative effect
- Excellent flow
- Low polyester selectivity
- Excellent anti-yellowing
- One shot, easy to use and spray

Use levels

3-7% based on total formulation by weight, depending on the gloss required. AHA2151 contains reactive functional groups so that it is requested to take part in reaction with excess TGIC in formulation when the use level greater than 5%. In general, the mix ratios 15-20/1 by weight of AHA2151 to excess TGIC were recommended.

Notice:

The key technical data or specifications for the above product described in this paper may be changed from time to time due to improvement constantly. AHA reserves the right to change the specifications of its products without prior notice.

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Curing schedules

200°C/10-15min or 180°C/15-20min (metal temp).

Processing

AHA 2151 should be mixed with resin, hardeners, pigments and other raw materials in a high-speed mixer and then extruded.

Handling & Precaution

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

For further information, please refer to the SDS

Regulatory status

AHA2151 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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