

## Technical Data Sheet

### AHA68

#### Matting Hardener for epoxy-based powder coatings

##### Description

Matting hardener **AHA68** is the mono-salt of 2-phenyl imidazoline with pyromellitic acid which is offset of Vestagon B68 from Evonic (former Degussa). It is used as crosslinker for pure epoxy, epoxy/polyester hybrid-based powder coatings to provide coatings with matt finishes, exceptional flow and good mechanical properties.

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##### Typical properties

Appearance	Very fine, white powder
Melting point (°C)	210-235
Particle size	40µm, 100% pass
Volatiles (%)	≤1.0

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##### Application

- Matting hardener for pure epoxy-based powder coatings. The matt epoxy powder coatings with gloss lower than 10% (60°) can be obtained when AHA68 used as single crosslinker.
  - Matting hardener for epoxy/polyester powder coatings. In such coating systems the gloss ranges from 10 to 70% is controlled by replacing parts of AHA68 with polyester resins (AV=34±2mgKOH/g).
  - Excellent flow and good mechanical properties.
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##### Use levels & Processing

Approx. 9-9.5parts, calculated on 100 parts by weight of epoxy resin (E.E.W700-850);

Approx. 11-11.5 parts, calculated on 100 parts by weight of epoxy resin (E.E.W850-1000);

##### Notice:

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AHA 68 is added to the binder/pigment blend before extrusion.

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### **Curing cycles**

180°C @20min; 190°C @15min; 200°C @10min

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### **Storage**

Store in temperature between 2 and 30°C or cool dry place to avoid wetting-absorption and 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.

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