

Technical Data Sheet**AHA7570****GMA based matting hardener for powder coatings****Description**

AHA7570, an updated version of original AHA7550, is a glycidyl functional acrylic (GMA resin) matting hardener suitable for low gloss, exterior durable polyester powder coatings. This product, in conjunction with polyester with acid value ranges from 30 to 35mgKOH/g, provides more benefits such as improved shade and burnish resistance over original AHA7700 and AHA7550.

Typical properties

Appearance	[visual]	Granules
Soft point (°C)	[Ring & Ball]	125-135
Epoxy equivalent weight (EEW)		450-550
Volatiles (%)		≤1

Application

AHA7570 is recommended as matting hardener used in low gloss exterior durable polyester powder coatings with improved black shade and burnish resistance. Additional cure catalyst AHA3163 may also be used in combination with AHA7570 to provide better mechanical and solvent resistance. AHA7570 shows following advantages against traditional GMA resins:

- Improved black shade
- Improved burnish resistance
- Gloss stable
- Excellent mechanical performance when used in conjunction with TGIC as co-reactant

Use level

Mix ratio of polyester to AHA7570: 75/25 by weight

Incorporation & processing Instructions

AHA7570 should be mixed with resin, hardener, pigments and other raw materials in a high-speed mixer and then extruded.

Shelf life

Based on our experience the shelf life of this product is at least within 1 year from date of

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manufacture. For older than this period, it is recommended to check EEW to determine reuse possible.

Storage

Store in temperature between 2 and 35°C or cool dry place. 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 MSDS

Regulatory status

AHA7570 complies with TSCA (USA), DSL/NDL (Canada) and IECSC (China).

Package

Packaged in PE lined craft paper bag, Net weight 25 Kg per bag.

Starting formulation recommended

Ingredient	I (parts by weight)
Polyester (AV=30mgKOH/g)	450
AHA7570	150
TGIC	8
AHA1088P	10
Barytes	350
Carbon black	7
Benzoin	5
Total	980

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