

Technical Data Sheet

AHA6553

Non-yellowing HAA crosslinker for exterior durable powder coatings

Description

AHA6553 is an improved β -hydroxyalkylamide crosslinker for formulating exterior durable carboxylic polyester powder coatings. In comparison with normal HAA crosslinker this product could provide better anti-yellowing and higher color stability; therefore, it is especially suitable to use in direct fired gas ovens.

Typical properties

Appearance	Visual	White granular solid
Melting range	°C	100-115
Hydroxy number	mgKOH/g	550-650
Volatiles	%	≤1.0

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

Application Comparison Test

Components	Part by weight				Remark
Uralac P865	603	603	/	/	94.5/5.5
CRYLCOAT 2630-2	/	/	603	603	94.5/5.5
AHA6553	35	/	35	/	AHA
Primid QM1260	/	32	/	35	EMS
R-960	200	200	200	200	
AHA1088P	10	10	10	10	Flow Modifier
Barytes	150	150	150	150	
AHA4100	2	2	2	2	Benzoin
Total	1000	1000	1000	1000	
Cure Cycle	200°C /10min				
<u>Typical Technical Data:</u>					
PCI	6	6	6	6	
Gloss	96.7%	97.3%	95.9%	96.1%	60°
Impact (D&R)	+/+	+/+	+/+	+/+	1KG*50cm
Gel time	108s	107s	115s	118s	200°C
Δb	1.07	1.00	0.83	0.89	230°C / 30 min

Notice:

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Process & Use levels

AHA6553 is added to the binder/pigment blend before extrusion.

Recommended to design formulation by weight parts of 94.5/5.5 (resin to AHA6553) for pure polyester resin with AV ca 34mgKOH/g.

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 check the hydroxy number.

Storage & Notice

Store in temperature between 2 and 35°C or cool dry place to avoid wetting-absorption.

Handling & Precaution

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

For further information, please refer to the SDS

Regulatory status

AHA6553 complies with TSCA (USA), DSL/NDSL (Canada) and IECSC(China).

Package

Packaging in fiberboard boxes with polyolefin liner. Net weight 25Kg per box.

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