

Technical Data Sheet

AHA1209

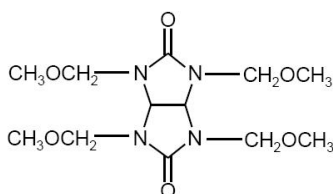
Glycoluril Crosslinker for powder coatings

Description

AHA1209 is a glycoluril crosslinker with following chemical name and structure:

Name: n, n',n'',n'''- tetrakis(methoxymethyl) glycoluril

Structure:



CAS No: 17464-88-9

Typical properties

Appearance	[visual]	Crystalline powder
Melting point	(°C)	110-115
Combining Weight (Equivalent weight)	(g/eq.)	90-125
PH		6.5-7.5
Volatiles	(%)	≤1

Application

Based on aminoplast -hydroxyl polyester chemistry, **AHA1209** is specially designed as attractive crosslinker for exterior durable powder coatings to provide outstanding weather resistance, high light /color stability, high surface hardness and excellent mechanical property as well as consistent structure effect, esp. wrinkle and alligator finishes.

Catalysts

Depending on different types of catalysts AHA1209 may achieve different appearance varying from glossy and matt to texture finishes. In general, amine- blocked sulfonic acid catalysts will provide desirable wrinkle or alligator finishes whereas "nitrogen acid" such as sulfoimide compound to be flat glossy. All of these catalysts, if desired, will be available

Notice:

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along with AHA1209 by AHA.

Use levels

Mix ratio approx. 94/6 of OH value 30-40 mg KOH/g polyester to AHA1209.

Incorporation and processing Instructions

AHA1209 should be mixed with resin, hardener, catalysts, 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 one year from date of manufacture. For older than this period, it is recommended to re-check the performance.

Storage & Notice

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

AHA1209 complies with TSCA (USA), DSL/NDL (Canada) and IECSC(China).

Package

Packaged in carton or fiber drum with polyolefin liner. Net weight 25Kg per bag

Version II-11-2023

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