

H-7325 Amino Crosslinker

Composition

Amino resin

Typical Physical Data

Item	Specification	Test Method
Appearance	Colorless to slightly yellow transparent	1g, 105°C, 2h
Viscosity (mpa.s, 23°C)	1500-6500	Visual inspection
Active content (%)	76±2	NDJ-1 digital rotary viscometer, 23°C
Free formaldehyde (wt%)	≤1.5	Sodium sulfite method
Solvent	Isobutanol	

Application Areas

Suitable for OEM automotive baking paints (waterborne primers and topcoats), as well as other low-temperature baking waterborne and solvent-based paints (such as coil coatings, hardware varnishes, etc.).

Features and Advantages

This product is a methanol-etherified, high-imino melamine formaldehyde resin, with an average of three imino groups per melamine ring. It has high reactivity and excellent compatibility with acrylic resins, polyester resins, and alkyd resins. It provides high hardness, high gloss, and excellent resistance to salt spray, gasoline, and acids and bases. Due to its partial water solubility, it is suitable for formulating waterborne baking paints.

Solubility

Partially soluble in water with the aid of cosolvents, partially soluble in xylene, fully soluble in isopropanol or butanol, and fully soluble in ethylene glycol monobutyl ether.

Compatibility

- Fully soluble with solvent-based thermosetting acrylic/amino in a 5:1 to 2:1 ratio.
- Fully soluble with waterborne thermosetting acrylic resin/amino in a 5:1 to 2:1 ratio.
- Fully soluble with solvent-based saturated polyester in a 5:1 to 2:1 ratio.
- Fully soluble with waterborne saturated polyester in a 5:1 to 2:1 ratio.

Packaging

Packaged in 225KG non-recyclable plastic or iron barrels.

Ensure the lid is tightly sealed after use if the container is not emptied completely.



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Storage and Shelf Life

Keep away from heat and fire sources, and store in a cool, dark place. The product has a shelf life of 24 months from the date of manufacture.

This product information is based on our best knowledge from experimental results and is provided for reference only. We recommend customers conduct their own trials based on their specific conditions to ensure the best performance.