

Melamine

Triazine raw material for melamine-formaldehyde resins, laminates and industrial coatings.

CAS 108-78-1	EC 203-615-4	Transport Non-dangerous goods; reference solid
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Product Information

Melamine is a nitrogen-containing triazine used in industrial resin manufacture. The premium grade controls content, moisture, ash, color and kaolin turbidity. Reaction with formaldehyde forms melamine resins; the properties of a cured resin depend on its formulation and processing.

Ash maxima and mesh/pH descriptors follow the legacy sheet; grade assignment and test methods must be agreed. The legacy thermal point is not presented as a verified melting specification.

Specifications

Parameter	Specification
Appearance	White crystalline powder
Content	≥99.98 %
Moisture	≤0.02 %
Ash maximum, grade dependent	≤0.003 or ≤0.005 %; confirm on order
Color	≤10 Pt-Co
Kaolin turbidity	≤15 legacy turbidity units
pH, legacy descriptor	8.1–8.2 test basis not defined
Bulk density, legacy descriptor	700–900 kg/m ³
Mesh descriptor	≥300 legacy method not defined

Typical Properties

Property	Typical Value
Molecular formula (component)	C ₃ H ₆ N ₆
Molecular weight (component)	126.12 g/mol

Applications

Resin manufacture: Use melamine as a reactant in qualified melamine-formaldehyde resin systems.

Decorative laminates: Evaluate resin formulations used for paper impregnation and decorative laminates.

Industrial coatings and molding: Assess melamine-derived resin systems for coatings or molding compounds.

Packaging / Storage

Item	Information
Packaging	25 kg bags with suitable sealed inner liners.
Storage	Keep dry and tightly closed in a cool, ventilated area away from incompatible acids and strong oxidizers. Control dust and avoid excessive heat; maintain secure industrial storage.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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