



AMI

Melamine

in Moulding Compounds

MELAMINE IN MOULDING COMPOUNDS

THE CASE

Whether in laminates, wood-based panels, moulding compounds, coatings, flame retardants or paper and textile, melamine is used in different areas of our daily life.

Melamine moulding powders are available in specially formulated grades, including types with excellent thermal and insulating properties suitable for demanding electrical applications.

THE CHALLENGE

Melamine for moulding compounds are produced for different applications:

- Tableware and picnic-ware
- Children's dinnerware
- Electrical equipment
- Handles for cookware and other utensils

For these applications light weight unbreakability; heat resistance and flexibility in design are required.

Melamine moulding compounds can be produced in a range of colours and decorative print finishes, which is why melamine dinnerware is so popular with children. It's also a safe material since it does not break or transfer heat.

Flame retardancy is another important quality for fire safety in public areas like schools and hospitals.

THE SOLUTION

AMI Melamine is part of our daily life because it is especially known for its:

- Scratch resistance
- Durability
- Heatproof and temperature resistance
- Chemical resistance
- Moisture resistance
- Flame retardant properties
- Good electrical isolation properties
- Antibacterial properties

THE PRODUCT

AMI Melamine is a white crystalline powder made from urea. It is an organic base with the chemical formula $C_3H_6N_6$, with the IUPAC name 1,3,5-triazine-2,4,6-triamine and CAS number: 108-78-1.

AMI Melamine is mostly processed as a resin, a plastic material made out of melamine and formaldehyde by polymerization.



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Borealis Agrolinz Melamine GmbH is a leading provider of melamine and innovative, value creating melamine-based solutions.

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