

 **Melamine**

Melamine plays a vital role in meeting the needs of the furniture, flooring and construction industries. It is an important raw material for impregnating resins for laminates and for making adhesives for wood-based panels.

Waterproof melamine adhesives are either used to glue pieces of wood together to form boards and beams, or are mixed with woodchips or sawdust and compressed to form wood-based panels.

Wood-based panels and beams greatly improve the efficient utilization of all sources of wood, including waste wood and recycled wood, thus making a significant contribution to forest conservation.

Formula:	C₃N₆H₆
Molecular Weight:	126.13 g/mol
Appearance:	White, crystalline powder
Common Chemical Name:	2,4,6-triamino-1,3,5-triazine
Gravity:	1.57g/ml
CAS Registry Number:	108-78-1

Properties	Grade I	Grade II
Melamine % ≥	99.8	99.0
Water % ≤	0.10	0.20
Ash % ≤	0.03	0.05
pH	7.5-9.2	7.5-9.2
Dissolved in formaldehyde solution ≤	20	30
Clarity		
Color (APHA) ≥	20	30

Packaging

White powder packaged in 25kg or 1000kg bag.

Safety precautions

Melamine is non-flammable. Heating at temperature above 300°C could result in decomposition with releases of toxic vapors. Adequate ventilation and personal protective equipment is recommended. In handling melamine the use of gloves, safety glasses and respiratory protection is recommended. See MSDS.