



Melamine

CAS Number	Formula
108-78-1	C ₃ H ₆ N ₆ or C ₃ N ₃ (NH ₂) ₃

Melamine is an organic base and a trimer of cyanamide, with a 1, 3, 5-triazine skeleton having formula C₃N₃(NH₂)₃. This white powder contains 66% nitrogen by mass and, if mixed with resins, has fire retardant properties due to its release of nitrogen gas when burned or charred, and has several other industrial uses.

SPECIFICATION

Purity	Min. 99.8 % wt
Water	Max. 0.1% wt
Color	Max. 20 APHA
Ash	Max. 0.03% wt

MAJOR USE: In making thermosetting plastics, fire-retardant additives in paints, plastics, and paper. A melamine fibre, Basofil, has low thermal conductivity, excellent flame resistance and is self-extinguishing; this makes it useful for flame-resistant protective clothing, either alone or as a blend with other fibres.

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