

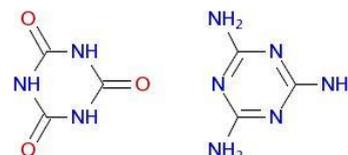
GC MELAMMINA CIANURATA 15

GC MELAMMINA CIANURATA 25

GC MELAMMINA CIANURATA 50

Melamine Cyanurate

Chemical Formula	$C_6H_9N_9O_3$
Molecular Weight	255.20
CAS registry number	37640-57-6



GC MELAMMINA CIANURATA is a non-halogenated flame retardant for polyurethane foams, polyesters, polyamide, glass fibre modified polyamide and silicone rubber, which is suitable for processing, for example extrusion and injection moulding.

GC MELAMMINA CIANURATA flame retardant additive can be used for PA6 and PA66 to reach UL94 V0 certification.

PHYSICAL-CHEMICAL PROPERTIES

Appearance	White powder
Melamine Cyanurate, % (m/m)	≥ 99.5
Melamine, % (m/m)	≤ 0.3
Cyanuric Acid excess, % (m/m)	≤ 0.2
Thermal decomposition, °C	≥ 350
Density 25°C, Kg/l	approx. 1.7
Water content, % (m/m)	≤ 0.2
pH, (10% suspension, 20°C)	5-7

	MCA 15	MCA 25	MCA 50
Particle size D ₅₀ , µm	~3	~4	~5
Particle size D ₉₈ , µm	approx. 15	approx. 25	approx. 50

HANDLING AND STORAGE:

The processing and use of GC MELAMMINA CIANURATA requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.

PACKAGING:

GC MELAMMINA CIANURATA has to be stored in tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.

Standard packaging size of GC MELAMMINA CIANURATA is in 20 Kg in plastic bags.

IMPORTANT NOTE

Some plastic additives, fillers or pigments can influence significantly on flame retardant properties. Before to use the products, please be informed. Machine stop at high temperature could create degradation of polymers. Please clean with neutral polymers.

DISCLAIMER:

Information contained in this document is provided to the best of our knowledge and is considered true as per revision date. We do not accept any liability for loss and damage that may occur from the improper use of this information and for the use against the safety legal requirements and patent rights. This specification does not release the customer from the obligation to check the product as to its suitability for intended area of usage.