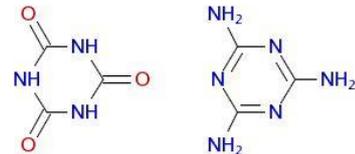


GC MCA 25

Melamine Cyanurate

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



GC MCA 25 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 MCA 25 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
Particle size D ₅₀ , μ m	4- 8
Particle size D ₉₈ , μ m	approx. 25

HANDLING AND STORAGE:	The processing and use of GC MCA 25 requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information. GC MCA 25 has to be stored in tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.
PACKAGING:	Standard packaging size of GC MCA 25 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 improperly 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.