



FaRetar Flame Retardant Technology Co., Ltd.

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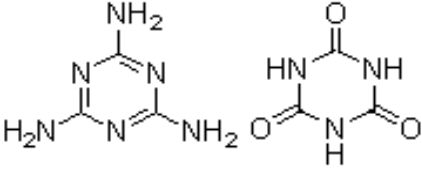
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FARETAR™ MCA

Melamine Cyanurate

Product description

FARETAR™ MCA is a halogen-free flame retardant, which meets the requirements of environmental protection and is especially suitable for nylon 6 and nylon 66

Molecular Structure	
Chemical Name	Melamine Cyanurate
Formula	C ₆ H ₉ N ₉ O ₃
CAS Number	37640-57-6
Molecular Weight	255.2
Appearance	White crystalline powder
Specific gravity, g/cm ³	1.7

Comparable grade

BSF Melapur MC15,25,50

Characteristics

- Halogen-free, lower smoke density, low smoke toxicity and less corrosion
- Good thermal stability
- Endow products good electrical and mechanical properties
- Nontoxic and odourless
- Dissolvable in water and most organic solvents
- Environmentally friendly

Application

FARETAR™ MCA flame retardant is a halogen-free flame retardant. mainly used for PA6 and PA66.

Specification

According to the different particle size, we provide three grades as MC-15, MC-25 and MC-50:

Item	Unit	MC-15	MC-25	MC-50
Appearance	-----	White powder		
MC content	%	≥ 99.5	≥ 99.5	≥ 99.5
Whiteness	-----	≥ 96	≥ 96	≥ 96
Melamine	%	≤ 0.2	≤ 0.2	≤ 0.2
Decomposition temperature	°C	350		
Volatile	%	≤ 0.2	≤ 0.2	≤ 0.2
pH value	-----	5.0~7.0	5.0~7.0	5.0~7.0
Average particle size	D50um	≤ 3	≤ 3	≤ 3
	D98um	≤ 8	≤ 25	≤ 50

*Test method: Q/0783FRT013-2019

We also could provide granular MCA and Surface Treatment type according to the need of customers.

Package

20kg/multi-ply paper bags (10 - 11 mt/20FCL; 20 - 22 mt/40FCL), for granular one, 18tons can be loaded in 20GP. 25kg/Composite weave bags

Storage

Store the product in a cool, dry, well - ventilated area