

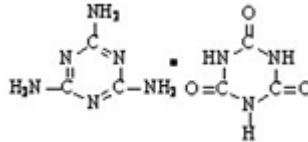
**Chemical Name:** Melamine Cyanurate;

**Synonyms:** MCA.

**CAS No.:**37640-57-6

**Molecular Formula:** C<sub>6</sub>H<sub>9</sub>N<sub>9</sub>O<sub>3</sub>

**Structure formula :**



### 1 Specifications:

Item	Unite	Indexes
MCA	%	99.7
Dry Loss	%	0.2
Residual Melamine	%	0.1
Residual Cyanurate	%	0.1
Particle Size	um	3
Whiteness	---	96
PH Value	10g/L	5.0-7.0

### 2 Applications:

It is an additive flame retardant developed for applications such as electronics, especially used in unreinforced or unfilled polyamide, with excellent performance.

Item	Flame-retardant PA+MCA Formula	Special Note
FR-PA66	PA66 88%-92% + MCA 8%-12%	Impurities in PA and other additives e.g. Silicone Oil or Wax have negative influence on flame retardants efficiency.
FR-PA6	PA6 88%-90% + MCA 10%-12%	

MCA and Polymer granulates should be pre-mixed before extrusion as following advised processing parameter:

Temp	Flame-retardant PA+MCA Formula	Special Note
PA		
FR-PA66	PA66 88%-92% + MCA 8%-12%	Impurities in PA and other additives e.g. Silicone Oil or Wax have negative influence on flame retardants efficiency.
FR-PA6	PA6 88%-90% + MCA 10%-12%	

### 3 Narrate:

3.1 With Excel flame retardant efficiency and chemical stability and thermal stability;

3.2 It is stable under normal conditions. Store in a dry, cool, well ventilated area;

**4 Packing:** 25Kg PP Bags or Paper Bags.

Loyal Gain International Enterprise Limited

Head Office: No.180,Wenhua Road, Weifang City, Shandong Province, P.R.China.

Tel: 86-536-8251229; Fax: 86-536-8255868; eMail: chem@loyalgain.cn