



**山东天一进出口有限公司**  
**SHANDONG TIANYI IMP.&EXP. CO.,LTD.**

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## Technical Specifications

### Melamine Cyanurate (MCA)

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

**Molecular Weight:** 255.2

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

MCA	%	≥99.5
Residue cyanuric acid	%	≤0.2
Residue melamine	%	≤0.3
Whiteness	---	≥96
Dry Weight Loss	%	≤0.2
PH value	---	5-7
Specific gravity	g/cm <sup>3</sup>	1.7
Bulk density	g/cm <sup>3</sup>	0.3-0.4
Water solubility	g/100ml water	0.002(20°C)

#### **Particle size:**

MCA: D50 -2μm; D98 -8μm

MC15: D50 -2.5μm; D98 -15μm

MC25: D50 -4μm; D98 -25μm

MC50: D50-4μm; D98-50μm

#### **Use in the nylon:**

##### 1. Recommended dosage (wt%)

Base Material	PA6	88-90%	PA66	90-92%
Flame retardant	MCA	12-10%	MCA	8-10%

##### 2.Extrusion data

Material temperature °C	Section 1	Section 2	Section 3	Section 4	Section 5	Section 6	Section 7	Section 8	Section 9
		PA6	235	240	240	240	240	245	245
PA66	250	260	260	260	260	260	260	265	265

Section 8 is vacuum space; section 9 is the outlet

**ADD: NO.171 YUQING EAST STREET, WEIFANG, SHANDONG 261061, CHINA**