Melamine Cyanurate (MCA)

**Description**

- **Product Name**: Melamine Cyanurate (MCA)
- **Equivalent Name**: Melapur MCA
- **Cas No.**: 37640-57-6
- **Molecular Weight**: 255.2

**Application**

Melamine Cyanurate is a halogen-free flame retardant for polyamide. Steadable colour, good electrical property and environmentally friendly, Melamine Cyanurate has established itself as the flame retardant to achieve UL 94 V-0 especially for polyamide 6 and 6,6. Addition of MCA gives PA6(66) good mechanical and electrical properties.

**Benefits and Features**

Steady colour; Good electrical property; Environmentally friendly.

**Typical Properties**

- **Appearance**: White powder.
- **Assay %**: 99.5 min.
- **Ash %**: 0.03 max.
- **Water %**: 0.1 max.
- **PH**: 5-7

**Particle size**

<table>
<thead>
<tr>
<th>Name</th>
<th>D50 (µm)</th>
<th>D98 (µm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCA</td>
<td>2.0 max.</td>
<td>8.0 max.</td>
</tr>
<tr>
<td>MC15</td>
<td>2.5 max.</td>
<td>15 µm max.</td>
</tr>
<tr>
<td>MC25</td>
<td>4.0 max.</td>
<td>25 µm max.</td>
</tr>
<tr>
<td>MC50</td>
<td>4.0 max.</td>
<td>50 µm max.</td>
</tr>
</tbody>
</table>

**Dosage**

- **PA6 %**: 88-90
- **MCA %**: 12-10
- **PA66 %**: 90-92
- **MCA %**: 8-10

These properties are typical but do not constitute a specification either in part or as a whole. Specification data is available on request from sales, customer service or customer technical service.

**Shipping Information**

- **Transportation classification**: No regulated for transportation.
- **Packing**: 20kg/bag; 600kg/pallet; 1200kg/20'Tcl; 20kg/bag; 500kg/carton; 10mt/20'Tcl

**More Information**

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