

## SPECIFICATION

### Melamine Cyanurate

| Parameters        | Specification                                                                                |
|-------------------|----------------------------------------------------------------------------------------------|
| CAS Number        | 37640-57-6                                                                                   |
| Appearance        | White crystalline powder                                                                     |
| Molecular Formula | C <sub>6</sub> H <sub>9</sub> N <sub>9</sub> O <sub>3</sub>                                  |
| Molecular Weight  | 255.20 g/mol                                                                                 |
| Boiling Point     | 400 °C                                                                                       |
| Flash Point       | 280 °C                                                                                       |
| Purity            | 98–99%                                                                                       |
| Refractive Index  | 1.53                                                                                         |
| Solubility        | Sparingly soluble in water;<br>insoluble in most organic solvents                            |
| Uses              | Flame retardant additive for<br>polymers, resins, and coatings to<br>enhance fire resistance |

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