

Antioxidant Plaox-3114

Chemical name: Tris(3,5-di-tert-butyl-4-hydroxybenzyl) isocyanurate

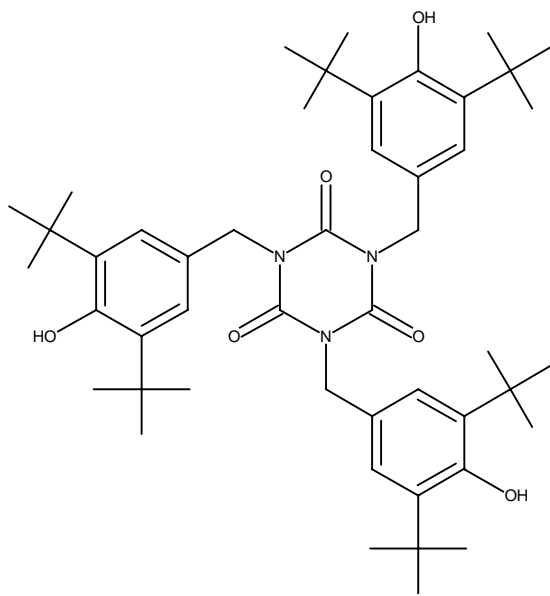
Equivalent: Irganox 3114 (Ciba SC)/ Cyanox 1741 (Cytec)/ Anox IC-14 (Chemtura)

Molecular formula: C₄₈H₆₉N₃O₆

Molecular weight: 784.1

CAS No.: 27676-62-6

Structural formula:



PHYSICAL PROPERTIES

Appearance: White crystal powder

Melting range: 218 ~ 224 °C

Solubility (g/100g solvent), @20 °C

Water: Insoluble

Alkane: Soluble

Flash point: 289.4 °C

Bulk density: Not available

Acetone: Soluble

Chloroform: Soluble

SPECIFICATIONS

Appearance: White powder

Melting point: 216 ~ 221 °C

Volatile: 0.2% max

Ash: 0.05% max

Transmittance (425nm): 93% min

Transmittance (500nm): 95% min

Assay: 98% min

APPLICATIONS

Plaox-3114 is one kind of multi-functional antioxidant, with multiple functional groups. It is of low toxicity and can be used in food packing. Plaox-3114 is used in ABS resin, polyester, Nylon, PE, PS, PVC, PU, cellulose plastic and rubber. It has synergistic effect with UV adsorbent or phosphite ester to improve the stability. The dosage is recommended to be 0.1 ~ 0.25 phr.

PACKING

20kg/bag