EVERNOX® 3114

Phenolic Primary Antioxidant for Processing and Long-Term Thermal Stabilization

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

Formula: \(C_{48}H_{69}N_3O_6\)

Structure:

Molecular weight: 784

C-A-S number: 27676-62-6

Appearance: White to slightly yellowish powder

Specification:

- Melting point: 218-223°C
- Sulphated ash: 0.01% max
- Volatile matter: 0.2% max
- Clarity of solution (10g in 100ml toluene): Clear solution
- Transmittance (10g in 100ml toluene): at 425nm 93% min, at 500nm 95% min
- Assay: 98.0% min

Solubility (25°C, wt/wt):
- Acetone: 29%
- Benzene: 10%
- Chloroform: 21%
- Ethanol: 1.5%
- Hexane: 0.6%
- Methanol: 0.5%
- Water: <0.01%
Packing: The following packings are available upon customer’s request: 50 kgs fiber drum.

Application: Hindered phenolic antioxidant for organic substrates such as PE, PP, ABS, PS, SBS, PVC, synthetic fibers, elastomers, waxes, adhesives, oils and fats.

Transportation: EVERNOX-3114 are not dangerous goods according to the transport regulations.

Storage: No special safety measures are required. Usual precautions for handling chemicals are observed.