

Technical Data Sheet

LeNox[®] AO-1010

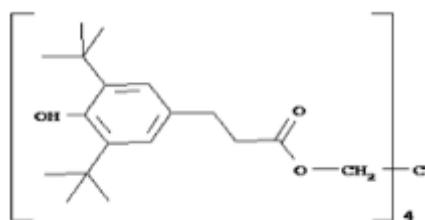
Chemical Name: Pentaerythritol tetrakis-[3 -3,5-di-tert-butyl-4-hydroxyphenyl)propionate]

Molecular Weight: 1178

Molecular Formula: C₇₃H₁₀₈O₁₂

CAS NO.: 6683-19-8

Chemical Structure Formula:



Typical Physical Properties: HG/T 3713-2003

Item	Standard
Appearance	White Powder
Melting Range(°C)	110-125
Volatile (%)	≤ 0.5
Solubility (2g/20ml, Toluene)	Limpidity
Light Transmittance	425nm, % ≥ 95
	500nm, % ≥ 97
Ash Content (%)	≤ 0.1
Effected Component (%)	≥ 98
Purity (%)	≥ 94

Features

LeNox[®] AO-1010 is white powder, soluble in such organic solvents as benzene, toluene, chloroform and so on, slight soluble in alcohol, but insoluble in water. No transport or no frost spray when added to the

products because of its volatility. Little toxicity and its half lethal dose (for a white mouse is only $LD50 \geq 15000 \text{mg/kg}$). Many countries, such as U.S.A., have approved it used as packing material for food.

Applications

LeNox[®] AO-1010 is the typical representative of hindered phenol antioxidants, non-poisonous, non-discolouring as well as nonstaining and is an excellent top-quality approved in international. It is widely used in a variety of polymer materials, such as polypropylene, polyethylene, polyester, polyurethane, polystyrene, polyoxymethylene, PBT, ABS, polyamide, synthetic rubber and so on. It is also a high grade antioxidant for natural and synthetic oil.

Storage

Stable in property. No special requirement but keep ventilation and away from water and high temperature.

Packing

Net weight 25kg bags. It can also be designed according to customers' requirements.

Recommended Dosage: 0.1-0.3%