We create chemistry

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Tinuvin® PA 144

Hindered amine light stabilizer and phenolic antioxidant

Characterization

Tinuvin PA 144 is a highly efficient hindered amine light stabilizer and is also effective as antioxidant. It provides significantly extended lifetime to plastics, elastomers, adhesives and rubber articles.

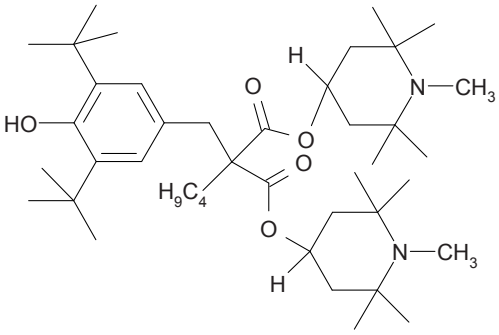
Chemical name

Bis(1,2,2,6,6-pentamethyl-4-piperidinyl)-2-butyl-2-(4-hydroxy-3,5-di-tert.-butylbenzyl)propanedioate.

CAS number

63843-89-0

Structure



Molecular weight

685 g/mol

Applications

Tinuvin PA 144 is a very effective light stabilizer used for a wide variety of applications including polyurethanes, polyamide sealants, adhesives, rubber compounds, thermoplastic elastomers, unsaturated polyesters, acrylics and other organic substrates.

Features/benefits

Tinuvin PA 144 provides outstanding performance significantly retarding light and thermal degradation. The performance of Tinuvin PA 144 can be significantly improved when using in combination with a UV absorber, which in many cases results in synergistic effects. Tinuvin PA 144, having a phenolic antioxidant moiety also allows the user to reduce or eliminate other phenolic antioxidants in the polymer system.

Product forms

Code:	Tinuvin PA 144
Appearance:	white to light yellow powder

Physical properties

Melting point:	146 – 150 °C
Specific gravity 20 °C:	1.07 g/cm^3

Solubility (20 °C)	**% w/w**
Water	< 0.01
Butylcarbitol	1.5
Butanol	2.5
Butylacetate	10
Ethylenglycol	1.5
Methylethylketone	9
Xylene	10

Handling & Safety

In accordance with good industrial practice, handle with care and prevent contamination of the environment. Avoid dust formation and ignition sources. For more detailed information please refer to the material safety data sheet.

Note

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