

# Hindered amine light stabilizer Palst-944

## Chemical name:

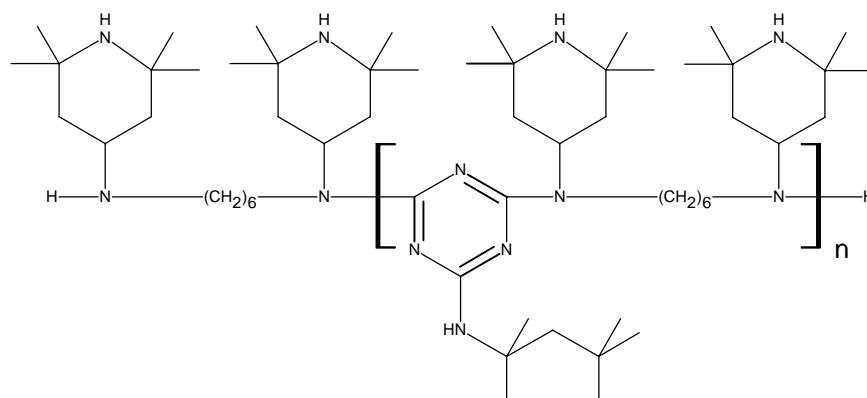
Poly-[[6-[(1,1,3,3-tetramethylbutyl)amino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidyl)imino]-1,6-hexanediyl][(2,2,6,6-tetramethyl-4-piperidyl)imino]]

**Equivalent:** Chimassorb 944 (Ciba SC)/ Lowilite 94 (Chemtura)

**Molecular weight:** 2100 ~ 3000

**CAS No.:** 70624-18-9

## Structural formula:



## PHYSICAL PROPERTIES

Appearance: white powders or granules

Melting range: 100 ~ 135 °C

Solubility (g/100g solvent), @20 °C

Water: 0.01

Toluene: 50

Methanol: 3

Flash point: 150 °C min

Bulk density: 0.6g/cm<sup>3</sup>

Chloroform: 50

Ethanol: 0.1

Acetone: 50

## SPECIFICATIONS

Appearance: white granular or powder

Volatile: 1.0% max

Molecular weight: 2100 ~ 3000

Softening point: 110 ~ 130 °C

Weight loss temperature: 270 °C min

Ash: 0.1% max

Transmittance (425nm): 93.0% min

Transmittance (500nm): 95.0% min

## APPLICATIONS

Palst-944 is histamine macromolecule light stabilizer. Its light stability is very high. Due to its large molecule weight, Palst-944 is of fine heat-resistance, drawing-standing, low volatility and well colophony compatibility. It can be applied to LDPE, PP fiber and glue belt, EVA, ABS, polystyrene and foodstuff package etc. Recommended dosage is 0.2 phr.

## PACKING

25kg/bag