

Introduction

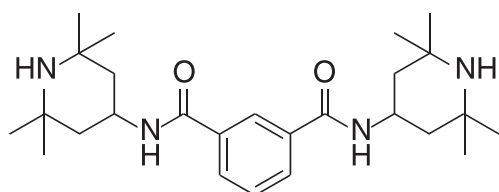
Chiguard[®] N-442 is a multifunctional stabilizer designed specifically for nylons and polyesters which delivers the below benefits:

- Substantially reduced cycle time
- Superb long term heat and UV protection
- Significant color enhancement for dyed articles
- Remarkable endurance towards dye processing
- High mechanical strength

Chiguard[®] N-442 delivers synergistic heat protection for nylon and polyester when used in combination with Revonox[®] 608, a unique secondary antioxidant. With further addition of Chiguard[®] 1033, this whole package offers an optimal heat and UV protection for nylon.

Chemical Information

Structure



Chemical Name

N,N'-Bis(2,2,6,6-tetramethyl-4-piperidinyl)-1,3-benzenedicarboxamide

CAS No. : 42774-15-2

Molecular Formula : C₂₆H₄₂N₄O₂

Molecular Weight : 442.64

Physical Data

Appearance	: White powder
Odor	: Odorless
Melting point	: 273 °C
Bulk density	: 0.40 g/cm ³
Water solubility	: 0.14 g/l

Specification

Appearance	: White to yellow-white powder
Purity	: 98% min.
Melting point	: 268- 275 °C
Water content	: 2.0% max.
Chloride content	: 0.2% max.
Transmittance	: 90% min. @425 nm ; 92% min. @500 nm

Packaging

25 kg PE bag in carton box