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Trib. Venezia 35579 – vol 41191 R.E.A. 220047

K.STAB NYST

Multi-functional Additive for Polyamides

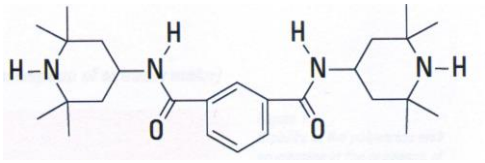
PRODUCT: K.STAB NYST
1,3-benzenedicarboxamide,N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)

MOLECULAR WEIGHT: 442.65 g/mol

MOLECULAR FORMULA: $C_{26}H_{42}N_4O_2$

CAS NO.: 42774-15-2

STRUCTURAL FORMULA:



CHARACTERIZATION: K.STAB NYST can improve nylon melt's stability to increase nylon's process ability, reduce the rate of fiber-broken and improve product quality. It will given nylon products a long-term stabilization resist light, heat and oxidation.
Improved tinting strenght, pigment stability and dyeability.

APPLICATION: multifunctional stabilizer suitable for nylon

SPECIFICATIONS:

Analytical Item	Specification
Appearance	White to off-white powder
Purity	≥98.0%
Melting Point (°C)	268-275
Ash	≤0.10%
Volatiles Content	≤0.5%
Transmittance	≥90.0%(425nm) ≥94.0%(500nm)
Solubility: g/100 solvent	Dimethylacetamide: 110 (20°C) Acetic Acid: 250 (20°C) Water: 0,139 (30°C) Caprolactam: >5 (75°C) Volatile: TGA

PACKING: 25 kg per fiber drum or carton with PE liner.

The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application, this data does not relieve processors from the responsibility of carrying out their own tests and experiments. Neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom K Chimica supply their own products to ensure that any proprietary rights or patents and existing laws and legislation are observed. The product has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.

Technical Data Sheet