

# UV Stabilizer

## Type: 944

**Product Name:** UV Stabilizer 944

**Chemical Name:** Poly-[[[(1,1,3,3-tetramethylbutyl )amino)-1,3,5-triazine-2,4-diy][2,2,6,6-tetramethyl-4-piperidyl]imino]-1,6-hexanediyl[(2,2,6,-tetramethyl-4-piperidyl)imino]]}

**CAS NO.** 70624-18-9

**Formula:** [C<sub>35</sub>H<sub>66</sub>N<sub>8</sub>]<sub>n</sub> (n=4-5)

### Features and Application Area:

944 is a high molecular HALS with low volatility, migration resistance, high temperature resistance etc., has synergetic effect with antioxidants and UV absorbers. HALS 944 is highly effective in PE/PP/PS/PA/PU/PVC, especially in films and fibers

Main used for Geomembranes, Waterproof Clothes, Sunshade Nets, Artificial Turf, Synthetic Rattan, Functional Films

Material: PP, ABS, PE, TPE, PA, EVA, etc.

### Specifications:

Molecular Weight: 2100-3000

Appearance: White powder or light yellow granules

Melting Point: 110-130°C

Volatile Matter: ≤0.5%

Relative Density: 1.01g/cm<sup>3</sup>

Weight Loss Point: 371°C(5.0%)

Light Transmittance: 425nm: ≥93.0%; 450nm: ≥95.0%

Ash Content: ≤0.1%

Solubility: Soluble in acetone, toluene, xylene, ethyl acetate, ethanol and chloroform. Slightly soluble in methanol, Insoluble in water.

**Pack & Storage:** 25kg/carton or as customer's requirement. 500kgs/pallet.

Quantity: 10mts/20'fcl with pallet or 12mts/20'fcl without pallet.

**Cautions:** Avoid direct sunlight, moisture, high temperature, substances with sulfur or halogen such as some stabilizers, flame retardants and pesticides. Testing required before use.