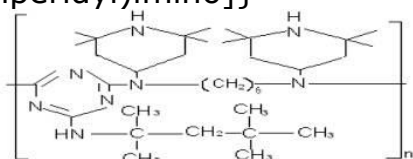


Technical Data Sheet

Light Stabilizer Agent SH-UV944

1. Description

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-hexanediy][(2,2,6,6-tetramethyl-4-piperidyl)imino]}



Molecular formula: $[C_{35}H_{64}N_8]_n$ (n=4-5)

CAS NO: 70624-18-9

It is one kind of high molecular Light stabilizer, with multiple functional groups.

2. Technical Specification

Item	Value
Appearance :	white powder or granule
Purity:	$\geq 99\%$
Light transparency :	425nm $\geq 93\%$
	500nm $\geq 95\%$
Melting range :	$\geq 110-130^\circ\text{C}$
Loss on drying:	$\leq 1.0\%$
Ash :	$\leq 0.1\%$
Molecular weight	2100-3000
Softening range	50-70 $^\circ\text{C}$

Specific Gravity(20 $^\circ\text{C}$): 1.01g/cm³

Bulk Density: 500-700g/l

Solubility(20 $^\circ\text{C}$) g/100g Solution

Acetone >50

Chloroform >30

Ethanol <0.1



QINGDAO SANHUAN COLORCHEM CO., LTD.

RM2301,BUILDING 4,PENGLINANHUA Plaza, TEL:0086 532 88978177/88978188
12 LIAOYANG EAST ROAD, QINGDAO,CHINA FAX:0086 532 88962988/88967877
EMAIL: michael@cncolorchem.com WEBSITE: www.cncolorchem.com

Ethyl acetate >50

Volatility(TGA-data, heating rate 20°C/min in air)

250 0

275 0.2

300 1.0

3.Application

It can be used in low density PE film, PP tape, EVA film, ABS, PP fiber, PPE, polyacetals, polyamides, polyurethanes, PVC, PVC blending material, polystyrene , rubber and viscose, It can work with UV adsorbent because its special structure and large molecularweight(3000,). It also can be used in film and fiber. also can be used as antioxidant and heat stabilizer of polymer, The dosage of agricultural film is 2‰

Cautions : S or halogen may offer bad effects , or some stabilizer, insecticide and fire retardant may react with 944. Please test before use.

4.Storage and Packing

Light stabilizer UV944 with 25 kg, 180 kg galvanized buckets or plastic pails.