

YISTAB[®] 622

Technical Data Sheet

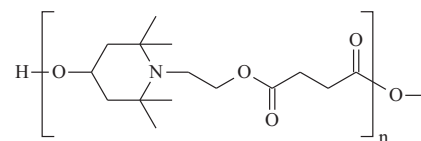
Introduction

Poly(4-hydroxy-2,2,6,6-tetramethyl-1-piperidine ethanol-alt-1,4-butanedioic acid)

$C_{41}H_{50}N_6O_2$

Molecular weight: >2500

CAS NO. : 65447-77-0



Physical

Appearance	White powder
Softening Point, °C	55-70
Flash Point, °C	>250
Density, g/ml (25°C)	1.20
Ash, %	≤0.1
Volatility, %	≤0.5

Solubility (g/100g solvent, 25°C)

Water: <0.01	Ethyl acetate: 5
n-hexane: <0.01	Acetone: 2

TGA (°C, % mass loss)

Weight loss, %	5	10	25
Temperature, °C	311	322	348

Applications

YISTAB[®] 622 is a kind of oligomeric hindered amine light stabilizer with low softening point, low volatility, low transference, high compatibility, and easy to diverse. At the same time it's an effective antioxidant, it does not affect the product color and transparency, can be widely used in food packaging. It's also widely used in polyolefins, olefin copolymer, polyurethane, polyacetal, polyamide, especially effective for nylon 11, nylon 12, and polyester elastomer.

The combine use of YISTAB[®] 622 and other series uv absorbers can be synergism, and it's also effective when used in the pigment system and the carbon-black system.