TIANGANG
Specialty Chemicals

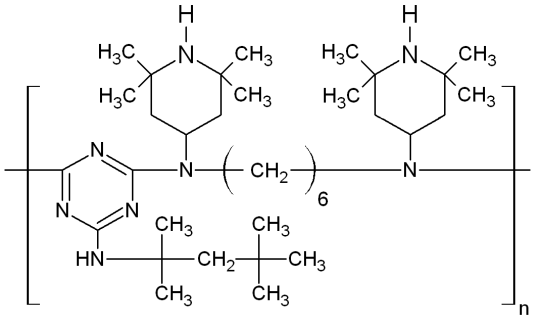
Tiangang™ HS-944

Oligomeric Hindered Amine Light Stabilizer (HALS)

Chemical name Poly-{[6-[(1,1,3,3-tetramethylbutyl)amino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,6-hexanediyl[(2,2,6,6-tetramethyl-4-piperidinyl)imino]}

CAS number 70624-18-9

Structure



Description

HS-944 is a highly effective radical scavenger that protects organic polymers against degradation caused by exposure to ultraviolet radiation. It is an oligomeric HALS characterized by extremely low volatility, high thermal stability and excellent compatibility with many substrates. Its oligomeric structure makes it particularly effective when used in thin section articles such as fiber and film. HS-944 is suited for use in polypropylene, LDPE, HDPE, XPE, EVA and PP blends with elastomers. HS-944 is also effective as an antioxidant for long term thermal stability.

Typical properties

	Appearance	Molecular weight	Specific gravity, g/ml@ 20°C	Softening range °C	Flash point °C
HS-944FD	Pale yellow pastilles	2000~3100	1.01	100 ~ 135	> 160
HS-944	Pale yellow powder				

Solubility @ 20°C (g/100 ml solvent)

	Acetone	Chloroform	Hexane	Benzene	Methyl chloride	Methanol	Water
HS-944	50	50	40	50	50	30	< 0.01

Safety & handling

HS-944	The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials.