Technical Data Sheet

TDS Number: TH02-02-712103-EN
Release：6.2

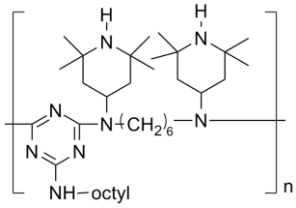
Product Name

RIASORB UV-944 *Hindered amine light stabilizer*

A polymeric hindered amine light stabilizer (HALS) of N-H type that protects polymers from degradation due to ultraviolet radiation and long term heat aging.

Poly[[6-[(1,1,3,3-tetramethylbutyl)amino]-s-triazine-2,4-dinyl][(2,2,6,6-tetramethyl-4-piperidyl) imino] hexamethylene[2,2,6,6,-tetramethyl-4-piperidyl) imino]]

CAS No.: [70624-18-9]



Typical Properties	
Molecular Weight	2000-3100
Appearance	Slightly yellow clarity granule
Flash Point, ℃	>150℃

Solubility@20 ℃ (g/100g solvent)			
Chloroform	>30	Methanol	3
Toluene	>50	Ethyl Acetate	>50
Water	<0.01	n-Haxane	41
Ethanol	<0.1	Acetone	>50

Specifications

Appearance:	Slightly yellow clarity granule
Volatiles:	≤1.00%
Heat distortion point	100.0-135.0℃
Mn:	2000-3100
Transmittance:	
@425nm	≥92.0%
@450nm	≥95.0%
Ash:	≤0.10%

RIASORB UV-944 areas of application include polyolefins (PP, PE), olefin copolymers such as EVA as well as blends of polypropylene with elastomers. In addition in certain instances **RIASORB UV-944** is highly effective in polyacetals polyamides, polyurethanes, flexible and rigid PVC, as well as PVC blends and in certain styrenic elastomer and adhesive specialty applications. **RIASORB UV-944** imparts excellent light stability to thin articles, particularly fibers and films. In thick cross sections, it is specifically suitable for polyethylene articles. **RIASORB UV-944** is highly effective as a long-term thermal stabilizer in thin and thick articles and shows good extraction resistance. Use with sulfur-containing additives such DSTP or DLDP can have a negative influence on the effectiveness of **RIASORB UV-944.**

Handling& Safety

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. Unless stated, proper storage will permit usage of the product for 24 months from the manufacture date. For additional handling and toxicological information, consult the Rianlon Corporation Safety Data Sheet.