Technical Data Sheet

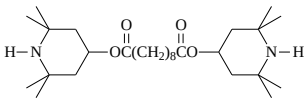
TDS Number: TH02-02-712101-EN
Release：6.2

Product Name

RIASORB UV-770 *Hindered amine light stabilizer*

It provides excellent light stability for thick sections but can also be used for articles with a high surface area such as films and tapes.

Bis (2, 2, 6, 6-tetramethyl-4-piperidyl) sebacate
CAS No.: [52829-07-9]



Typical Properties	
Molecular Weight	481
Appearance	White to slightly yellow powder
Melting point, ℃	81.0-85.0
Flash Point, ℃	>150

Solubility@20℃ (g/100g solvent)			
Chloroform	45	Methanol	51
Toluene	50	Ethyl Acetate	23
Water	<0.01	N-Haxane	5
Dichloromethane	56	Acetone	20

Specifications

Appearance:	White to slightly yellow powder
Volatiles:	≤0.50%
Melting point:	81.0-85.0℃
Clarity of solution:	Clear
Transmittance:	
@425nm	≥98.0%
@500nm	≥99.0%
Ash:	≤0.10%
Assay:	≥98.00%

RIASORB UV-770 is recommended to be used in polypropylene; impact modified PP (TPO), EPDM, polystyrene, IPS, ABS, SAN, ASA and polyurethanes and is also effective in polyamides and polyacetals. Benefit of using **RIASORB UV-770** is the high light-stabilizing performance, particularly in PP thick sections. It has broad compatibility and can be easily dispersed. Compared to conventional UV-absorbers, the effectiveness of **RIASORB UV-770** is less dependent on the polymer's thickness. For this reason the use of **RIASORB UV-770** also provides good light stability in articles with higher specific surface, e.g. films and tapes. Use with Sulfur-containing additives such DSTP or DLTP can have a negative influence on the effectiveness of **RIASORB UV-770.**

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.