

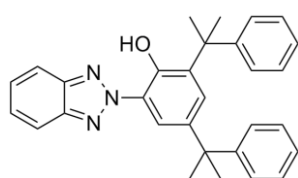
Product Name

RIASORB UV-234 Light Stabilizer

A light stabilizer belonging to the benzotriazole class of UVAs.

2-(2H-benzotriazol-2-yl)-4, 6-bis (1-methyl-1-phenylethyl) phenol

CAS No.: [70321-86-7]



Typical Properties

Molecular Weight, g/mol	447.6
Appearance	Slightly yellow powder
Specific Gravity @20°C, g/cm ³	1.22
Melting Range, °C	137-141
Flash Point, °C	>150

Solubility@20 °C (g/100g solvent)

Water	<0.01	Methanol	<0.1	Acetone	2.0
Toluene	20.0	Ethyl Acetate	4.0	Chloroform	35.0
Cyclohexane	5.0	Ethanol	0.3	N-Hexane	0.6
Methylene Chloride	34				

Specifications

Appearance:	Slightly yellow powder
Melting Range:	137.0-141.0°C
Volatiles:	≤0.30%
Clarity of solution	Clear
Transmittance:	
@460nm	≥95.0%
@500nm	≥97.0%
Assay(HPLC):	≥99.0%
Ash:	≤0.10%

RIASORB UV-234 is highly effective for polymers usually processed at high temperatures such as polycarbonate, polyesters, polyacetal, polyamides, polyphenylene sulfide, polyphenylene oxide, aromatic copolymers, thermoplastic polyurethane and polyurethane fibers. Applications include molded articles, films, sheets and fibers.

RIASORB UV-234 features low volatility, exceptional light absorbing characteristics and good compatibility in various substrates, which makes the product especially suitable for applications characterized by high surface area, such as films and fiber. It protects organic polymers as well as pigments from UV light, improving and preserving the technical and visual performance of such applications.

Handling & Safety

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Prevent contamination of the environment. Avoid dust formation and ignition sources. 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 manufacturing date. For more detailed information, please refer to the safety data sheet.