



Omnistab 328

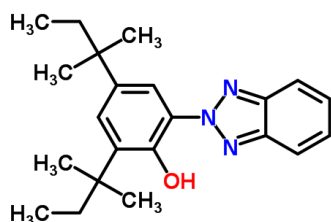
UV Absorber

Product Data Sheet

General Information

Omnistab 328 is a benzotriazole type UV absorber. High solubility and superior properties make Omnistab 328 particularly suitable for light stabilizing in coatings, propylene, polyurethane and polyvinyl chloride. Omnistab 328 is also efficient for the light stabilization of unsaturated polyester, polyacrylate and polycarbonate.

Chemical Data



Chemical Name	: 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol
Molecular weight	: 351.49 g/mol
CAS No.	: 25973-55-1
EINECS No.	: 247-384-8

Specification

Appearance	Visual	Yellowish Powder
Purity, %		≥ 98 %
Ash content		≤ 0.1 %
Volatiles		≤ 0.5 %
Melting Point, °C		≥ 78 °C
Transmittance (%) @ 460 nm	1 g/100 ml toluene	≥ 93 %
Transmittance (%) @ 500 nm	1 g/100 ml toluene	≥ 95 %

Application

Omnistab 328 is highly recommended for protective coatings. It does not cause “yellowing”, is unaffected by practical baking requirements and has excellent UV absorbing characteristics.

Omnistab 328 provides excellent protection in a variety of automotive coating substrates: two component polyurethanes and thermoset acrylic enamels.

Omnistab 328 has excellent solubility in urethane solvents, is non-reactive and has no effect on the cured properties of the coating while protecting against loss of gloss. In thermoset acrylic enamels the low volatility and high solubility of Omnistab 328 makes it especially attractive in thermosetting acrylic finishes.

Omnistab 328 protects against loss of gloss and is useful in thermosetting acrylic clear top coats where it protects against interfacial adhesive loss between the top coat and the base coat. 328 is generally superior to other ultraviolet light absorbers in terms of retaining colour after light exposure, especially when used in combination with Omnistab AN 1010 (antioxidant).

Omnistab 328 is a successful UV absorber in the following applications: polypropylene, rigid and flexible polyvinyl chloride, unsaturated polyester, polycarbonate, polyacrylate, ABS, epoxy, acrylic, polystyrene, polyethylene, polypropylene, and polyacetal.

Typical recommendation levels for polymers based on polymer weight are:

- Polypropylene: 0.3-0.6 %
- Unsaturated Polyester: 0.2-0.4 %
- Polyurethane: 0.3-1.0 %
- Polyacrylate: 0.15-1.0 %
- Polycarbonate: 0.15-3.0 %
- Polyethylene: 0.2-0.4 %
- Polyvinyl chloride: 0.5 % (rigid)
0.3 % (plasticized)

Typical recommendation levels for Omnistab 328 for coating and lacquers are 1.0 – 3.0 %

Formulated product properties will depend on the actual reactive monomers, oligomers and additives utilized.

Features & Benefits

Omnistab 328 is readily soluble in a wide range of organic solvents. It has low volatility during high processing temperatures, good extraction resistance and has an excellent compatibility with a variety of polymers.

Storage & Handling

Storage must be in a cool, shaded, well ventilated and dry area away from direct sources of heat and sunlight.

Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 12 months.

Omnistab 328 should be handled in accordance with good industrial practice. Further information is provided in the material safety data sheet which is available on request.

Packaging

Omnistab 328 is available in 25 kg drums.

Disclaimer

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