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# Tinuvin® B 75

## Liquid light stabilizer system

### Characterization

Tinuvin B 75 is liquid heat and light stabilizer system designed for polyurethanes

### Chemical name

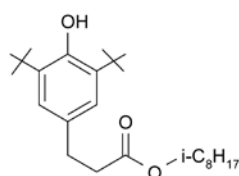
Synergistic blend of 20 % Irganox 1135 + 40 % Tinuvin 571 + 40 % Tinuvin 765

### CAS number

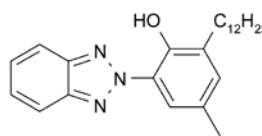
Preparation

### Chemical formula

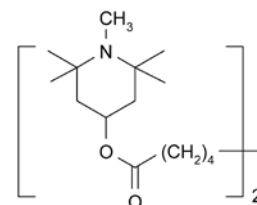
Irganox 1135



Tinuvin 571



Tinuvin 765



### Molecular weight

390 g/mol

394 g/mol

508 g/mol

### Applications

Tinuvin B 75 is used in polyurethanes such as Reaction Injection Molding (RIM) polyurethane and thermoplastic polyurethane (TPU). The blend can also be used in sealant and adhesive applications, in polyurethane coating on tarpaulin and flooring as well as in synthetic leather.

### Features/benefits

Tinuvin B 75 prevents the processing, light and weather induced degradation of polyurethane products such as shoe soles, instrument and door panels, steering wheels, window encapsulations, head and arm rests.

Tinuvin B 75 can be easily added to aromatic or aliphatic polyurethane systems for thermoplastic moldings, semi-rigid integral foams, in-mold skinning, dope applications. It can be used with natural and pigmented materials. Tinuvin B 75 is particularly suitable for preparing light stable color pastes for the above mentioned systems.

Additional benefits:

- easy to pump, pourable liquid allowing dust free handling, automated dosage and shortening of mixing time
- all liquid package; no sedimentation of additives in the polyol phase even at low temperatures
- resistant to exudation/crystallization in many PUR systems

### Product forms

Clear, slightly yellow liquid

**Guidelines for use**

The use levels of Tinuvin B 75 range between 0.2 % and 1.5 %, depending on the substrate and performance requirements of the final application:

|                                       |               |
|---------------------------------------|---------------|
| Reactive two-component integral foams | 0.6 % – 1.5 % |
| Adhesives                             | 0.5 % – 1.0 % |
| Sealants                              | 0.2 % – 0.5 % |

Extensive performance data of Tinuvin B 75 are available for many applications.

**Physical Properties**

|                 |                 |
|-----------------|-----------------|
| Boiling Point   | > 200 °C        |
| Flashpoint      | > 90 °C         |
| Density (20 °C) | 0.95 – 1.0 g/ml |

| <b>Solubility (20 °C)</b> | <b>g/100 g solution</b> |
|---------------------------|-------------------------|
| Acetone                   | > 50                    |
| Benzene                   | > 50                    |
| Chloroform                | > 50                    |
| Ethyl acetate             | > 50                    |
| Water                     | < 0.01                  |

**Handling & Safety**

Tinuvin B 75 exhibits a very low order of oral toxicity and does not present any abnormal problems in its handling or general use.

Detailed information on handling and any precautions to be observed in the use of the product(s) described in this leaflet can be found in our relevant health and safety information sheet.

**Note**

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