

# Tinuvin® 1370P

high-performance light stabilizer

August 2019 | [Data Sheet](#) | First Edition

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### Characterization

Tinuvin® 1370P is a high-performance light stabilizer system that imparts outstanding weatherability to Polyolefin such as PP, HDPE etc. The primary advantage of Tinuvin® 1370P is to provide superior light stability and strengthen/maintain the physical property retention in polymers.

### Chemical name

Stabilization System based on hindered amine derivates

### Cas name

Preparation

### Applications

Tinuvin® 1370P is especially recommended in polyolefins and can be used in other polymers. The applications include polyolefin pipes, traps, sheets, membranes extruded and molded products.

### Features/benefits

Tinuvin® 1370P protects polymers from UV radiation and preserves the original appearance and physical integrity during weathering. It has excellent compatibility with polyolefins. Tinuvin® 1370P features powerful long-term thermal stabilization performance in polyolefin substrates.

### Product forms

Code	Tinuvin® 1370P
Appearance	slightly yellow, Powder

### Guidelines for use

The recommended concentrations range between 0.05 % and 2 %, depending on the substrate and the performance requirements of the final application. Typically used concentrations to fulfil requirements in high demanding extruded/molded applications are e.g. 0.3 – 2 % for polypropylene pipe/trap and 0.1 – 1% for polyethylene molded applications. The product can be used alone or in combination with other additives such as Chimassorb® and Tinuvin® light stabilizers, Irganox® antioxidants, Irgafos® and Irgastab® FS process stabilizers, Flamestab® NOR flame retardants, other functional additives and pigments.

**Physical Properties**

Melting range	75 °C (start)
Bulk density	0.5g/l

**Solubility (20°C)****%W/W**

Water	<0.01
n-Hexane	> 5
Dichloromethane	> 15

**Volatility****TGA on pure substance; heating rate  
10°C/min in air**

Temperature (°C)	Weight loss (%)
208	0.5
225	1
243	2
270	5

**Handling & Safety**

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 safety data sheet.

**Note**

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