

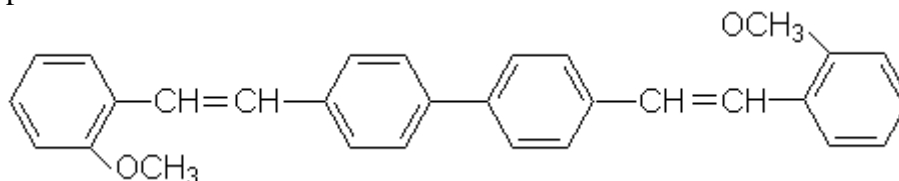
# TECHNICAL DATASHEET

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## Product description

Optical brightener FP127(FBA378)

Light yellow powder



## Technical properties

Because of its heat stability, low volatility and high performance, it is one of the most commonly used optical brighteners in plastic industries.

## Application

A good whitening agent for co-polymers and homo-polymers of acrylic, thermoplastic polyurethane, polyvinyl chloride, styrene, polyolefin and other organic matrix. Main applications also include fibers, molded products, films and sheets.

## Physical data

Molecular formula	C <sub>28</sub> H <sub>18</sub> N <sub>2</sub> O <sub>2</sub> (4,4'-bis[2-(2-methoxyphenyl)ethyl]-1,1'-diphenyl)
Molecular weight	
Cas no.	40470-68-6
Finess	300 mesh min
Purity	99% min
Melting point	219-221 °C
Volatile content	0.5 % max

## Formulation tips:

The recommended amount of FP127 in the unpigmented polyolefin: 0.0005-0.0010%

The recommended amounts in other plastics: 0.005-0.100%

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## Certificate of Analysis

### CERTIFICATE OF ANALYSIS

<b>Commodity:</b>	<b>OPTICAL BRIGHTENER FP-127</b>		
<b>Lot No.:</b>	<b>101911167</b>	<b>Date:</b>	<b>05TH NOV., 2019</b>
<b>Specifications</b>			
<b>ITEM</b>	<b>Standard</b>	<b>Result</b>	
<b>Main Content</b>	<b>99%Min</b>	<b>99.25%</b>	
<b>Appearance</b>	<b>Pale yellow powder</b>	<b>Pale yellow powder</b>	
<b>Melting point</b>	<b>218~224°C</b>	<b>219.3-221.7°C</b>	
<b>Volatile content</b>	<b>0.5%Max</b>	<b>0.25%</b>	
<b>Result</b>	<b>Qualified</b>		

**Charge:01**

**Analysis:05**