

# Product Data Sheet

## 50076 Lumilux<sup>®</sup> Effect-MB Green

[www.honeywell-lumilux.com](http://www.honeywell-lumilux.com)

Main use Long afterglow products according to DIN 67510 part 4  
Useable for For injection moulding or extrusion of plastics

### Typical chemical properties

Composition ca. 80 % Lumilux<sup>®</sup> Green N2 + 20 % special wax

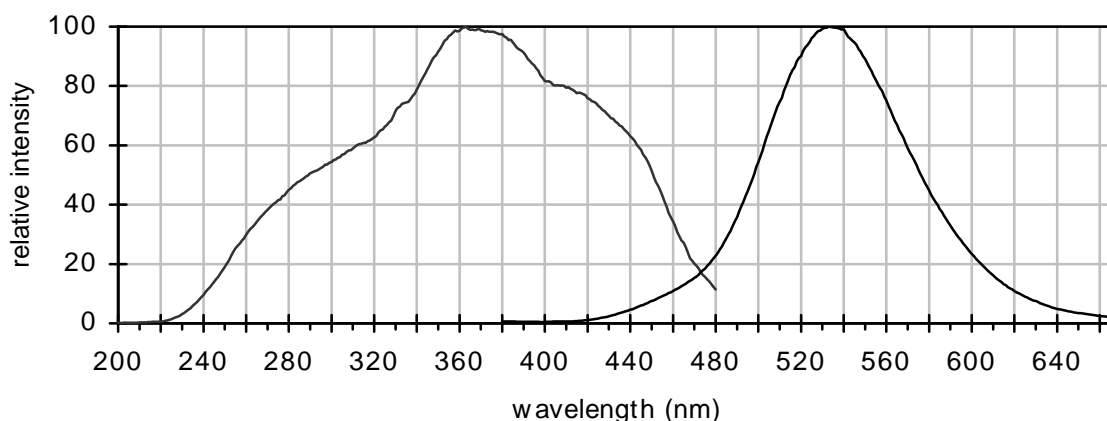
### Typical physical properties

Product character granular material  
Appearance yellow-green  
Drop point of wax 35-90°C

### Typical luminescent properties

Excitation UV radiation, white light  
Color of fluorescence yellow-green  
Color of phosphorescence yellow-green

### Typical excitation (left) and phosphorescence (right) spectra



### Remark

This wax granular is excellent compatible with nonpolar and also polar plastics. We can't recommend to use it with PVC flexible.

Lumilux<sup>®</sup> is a registered trademark of Honeywell International Inc.

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Heavy metals content in pigment			Permitted by DIN EN 71-3 : 1994 (with the exception of modelling clay and finger paint) soluble in 0,07 mol/l HCl
Arsenic	max. 1	ppm	max. 25 ppm
Barium	max. 10	ppm	max. 1000 ppm
Chromium	max. 10	ppm	max. 60 ppm
Cadmium	max. 20	ppm	max. 75 ppm
Lead	max. 20	ppm	max. 90 ppm
Antimony	max. 10	ppm	max. 60 ppm
Selenium	max. 5	ppm	max. 500 ppm
Mercury	max. 0.5	ppm	max. 60 ppm

### Processing remarks

The Lumilux<sup>®</sup> effect-MB green is very sensitive against shear stress during processing. Therefore high shear rates, which may be caused by the equipment used (e.g. screws with mixing parts), should be avoided.

To achieve a homogeneous distribution of the Lumilux<sup>®</sup> long afterglow pigment in the carrier material we recommend a continuous feeding of the raw material by gravimetric dosage equipment.