

Product Data Sheet

50076 Lumilux[®] Effect-MB Green

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[®] Green N2 + 20 % special wax

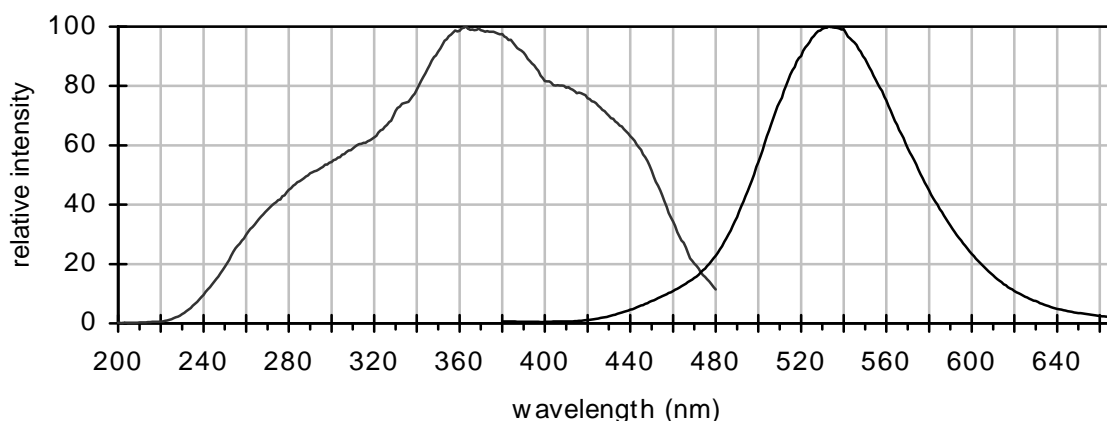
Typical physical properties

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[®] is a registered trademark of Honeywell International Inc.

Disclaimer: Although all statements and information in this Product Data Sheet are believed to be accurate and reliable, they are presented without guarantee or warranty of any kind, express or implied, and risks and liability for results obtained by use of the products or application of the suggestions described are assumed by the user. Statements or suggestions concerning possible use of the products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that toxicity data and safety measures are indicated or that other measures may not be required. Further information concerning safe handling procedures can be obtained at <http://www.honeywell.com/sites/sm/lumilux> or by contacting Honeywell.

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[®] 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[®] long afterglow pigment in the carrier material we recommend a continuous feeding of the raw material by gravimetric dosage equipment.