

Product Data Sheet

50076 Lumilux[®] Effect-MB Green

Main use
Useable for

Long afterglow products according to DIN 67510 part 4
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

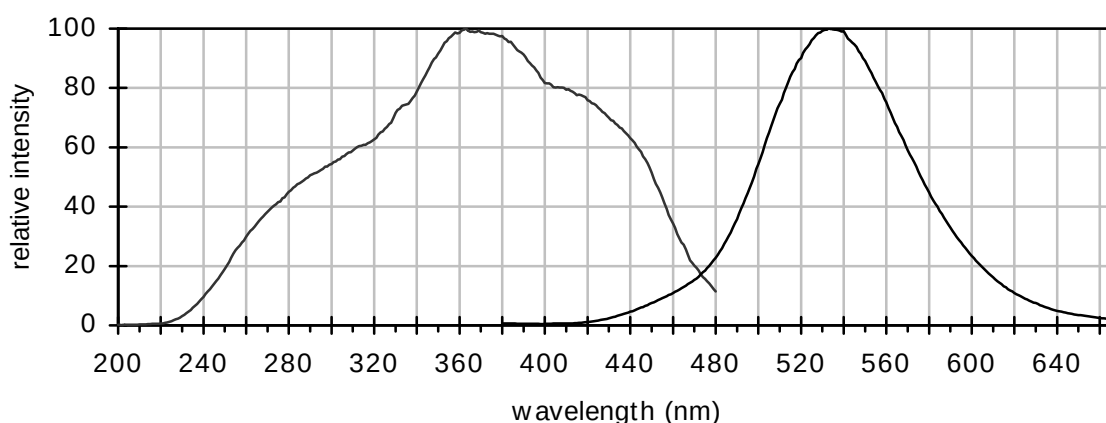
Color of fluorescence

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.

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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[®] 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.