

Lumogen[®] F Dyes

Lumogen[®] F Yellow 083

Colorants & Additives for Plastics

36 Riverside Ave Rensselaer, NY 12144 (519) 472-8300
Toll-Free 1-877-747-1857

0.02% GPPS

LUMOGEN® F Yellow 083

Type of Dye Perylene

Color Index -----

Heat Stability (GPPS) 280° C

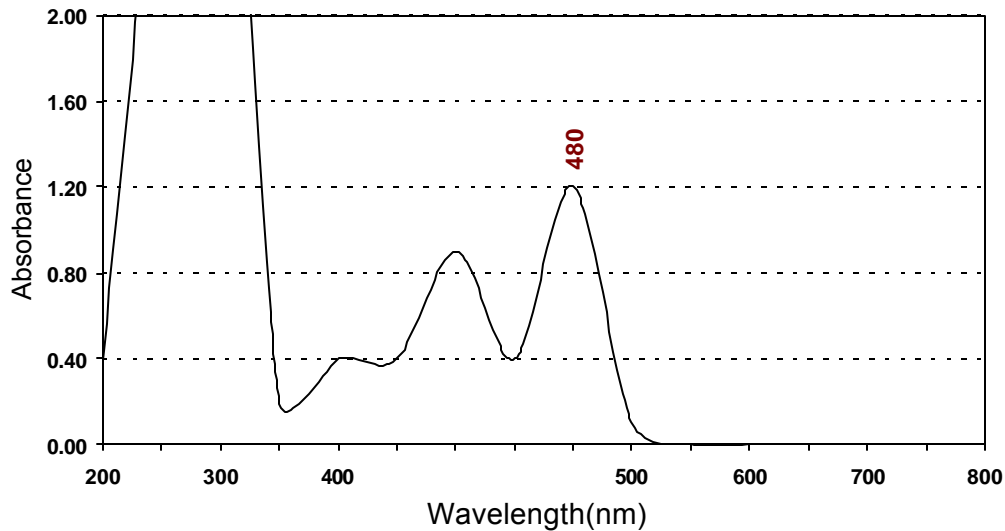
Fastness to weathering(PMMA) >90

*0.02% in PMMA injection-molded plaques of 2 mm thickness
Residual Fluorescence(%) after 80 days accelerated exposure in the
Xenotest 1200

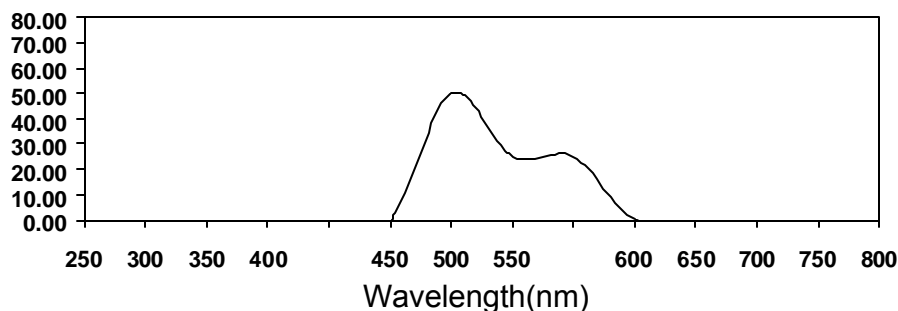
Specific Gravity 1.27 cm³

Max (nm) Absorption in ethylene dichloride	Max (nm) Absorption in PMMA	Fluorescence in ethylene dichloride	Max(nm Quantum Yield
476	473	490	0.91

LUMOGEN® F Yellow 083
Spectral curve run in Acetone



LUMOGEN® F Yellow 083
Fluorescence curve run in Acetone



Safety

We know of no ill effects that could have resulted from using LUMOGEN® F Dyes for the purpose for which it is intended and from processing it in accordance with current practice.

According to the experience that we have gained over many years and other information at our disposal LUMOGEN® F Dyes, do not exert any harmful effects on health, provided that it is used properly, due attention is given to the precautions necessary for handling chemicals, and the information and advice given in our Safety Data sheet are observed.

Note

The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect processibility and application, these data do not relieve processors from the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

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