



OPTICAL FILTERS FOR PLASTICS

The right protection for every application

THE RIGHT PROTECTION FOR EVERY APPLICATION

Optical filters in use

Plastics with a light filter function have multiple application possibilities in the industry. Here it is always a question of the highest precision when conditioning plastics. Particularly in medical technology and the pharmaceutical industry, it can be ensured with light filters that solutions and medications can be protected from the effects of electromagnetic rays. Also their functions and effects can be maintained.

Other sample applications:

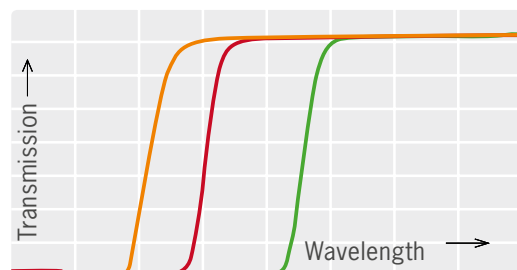
- Food packaging with optical filters extends the shelf life of sensitive foods.
- Optical filters are used in the packaging of many hygiene articles in order to preserve them longer and better.
- In the occupational safety area, optical filters are used in special safety glasses, among other things.
- Optical filters are used in light as colour and conversion filters.

RELIABLE QUALITY IS OUR STANDARD

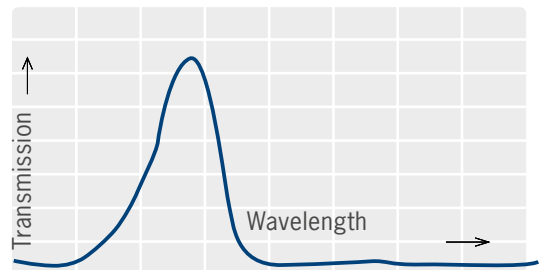
Optical Filters by Treffert

The optical filters from our company primarily involve what is known as edge filters. This type of filters has two spectral areas which are separated from each other. In one area, the material is transparent for electromagnetic radiation, in others it is not transparent. Here, the filter-specific wave length which separates the absorption and the transmission area from

each other is referred to as the edge. Here the edges are more or less sharp – this primarily depends on the slope of the edge, among other things. Blocking electromagnetic radiation is possible in different wavelength range from the UV range to the close-up infrared range. The blocking of electromagnetic radiation occurs in different wave length ranges:



Visual field
Edge filters in the visible wave length range



Visual field
Selection of transmission in the close-up infrared range



PERSONAL CONSULTATION DIRECTLY ON SITE

For individual performance demands

Our company's motto is "Colour follows function". So you won't be sold standardized solutions, but offered high-quality products which have been developed strictly as you specify at every stage of the process. Our orders place high performance demands on the development and consultation aspects. The most complicated specifications are part of our daily routine. What is particularly important and clear to us is comprehensive consultation by our additive experts or applica-

tions technicians directly on site at your location. We consult with you on all issues on the use of our products and of course provide sample materials to you in the short term. As a result, we can ensure that you use and apply our product in an optimum manner. Contact an application technician near you. You can find the locations of our application technicians online at www.treffert.eu. We are looking forward to your task.

COLOUR FOLLOWS FUNCTION

Treffert corporate group

At our two locations in France and Germany, we advise and guide our customers from the idea, through product development to technical production. We develop and supply charges for small to medium-sized supply requirements as well as for unusual uses – from the smallest sample quantities to capacities of several tons. The motor driving our performance is our passion for material and function – and for results that are made with the highest precisions.

The results are high-grade products with an optimum of process security that meet all the criteria for tested quality management. Every step of development and manufacturing is subject to constant internal quality control. We thus provide for a constant improvement of our work processes and production quality.

Documented production processes and formulas as well as secure storage of reserve samples assure that we can still supply our customers with more than 50,000 dye formulas even years after they were made, and that with absolute fidelity to the original, and always just in time.

Certified Quality, Environmental and Energy Efficiency Management

Management System
ISO 9001:2008
ISO 14001:2004
ISO 50001:2011

www.tuv.com ID 9105032830



For more information
please visit:
www.treffert.eu



GERMANY

Treffert GmbH & Co. KG
In der Weide 17
D-55411 Bingen

Phone: + 49 (0) 67 21 403-0
Fax: + 49 (0) 67 21 403-27
E-mail: info@treffert.eu

FRANCE

Treffert S.A.S.
Z.I. Rue de la Jontière
F-57255 Ste-Marie-aux-Chênes

Phone: + 33 (0) 3 87 31 84 84
Fax: + 33 (0) 3 87 31 84 85
E-mail: info@treffert.fr



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