



DIFFUSORS

Light diffusion for plastics

LIGHT DIFFUSION FOR PLASTICS

Light diffusion in use

Plastics with light diffusion additives are used across a broad range of industrial applications. Here it is always a question of the highest precision when conditioning plastics. For the automobile industry, for example, we develop day-night designs using diffusers which do not diffuse a light source (e.g. LEDs) at one isolated point but rather diffuse the light over the entire area.

Other sample applications:

- Glazing materials made from transparent plastics (PMMA, PC, PETG, etc.) are used for example in lamp covers, showcase glass and displays as well as in profiles and panels for sanitary and culinary areas.
- The exhibition industry uses diffusers in non-reflecting plastic sheet for picture framing.

RELIABLE QUALITY IS OUR STANDARD

Light diffusion from Treffert

Implementing complex requirements is the special focus area of the Treffert corporate group, which develops applications for the respective application scenarios in its own lab. Our light diffusion products are specially developed to meet each customer's need and can be mixed with transparent plastics. Incidental light is diffuse scattered across the whole surface area of the component without altering the light spectrum and still maintaining excellent translucence. We can supply you with these materials in concentrated masterbatch

form, depending on the type of plastic to be processed, or as a compound, in which case we will modify your raw plastic material. Processing parameters remain identical to those of your original plastic. Processing can be carried out via injection moulding or extrusion, with anti-reflective coatings added as a coextrusion layer. The precise colour of the plastic component can be adjusted according to your requirements – translucent, black and white or transparent colours.



For more information
please visit:
www.treffert.eu



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

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