

K 2019, Hall 6, Booth No. B30

New sample box: PLEXIGLAS® special molding compounds for lighting applications with homogeneous light distribution

- **PLEXIGLAS® molded parts are proven in a multitude of lighting applications**
- **New sample box showcases the range of special molding compounds for backlighting**
- **PLEXIGLAS® Satinice and PLEXIGLAS® LED molding compounds can be used to create covers that spread light evenly**

Thanks to the advances in LED technology, many new fields of application for polymethyl methacrylate (PMMA) have opened up over recent years. Modern LED lights emit strong point lighting and are therefore dependent on a surrounding material that guides the light to where it is needed. With its high level of transmission and low inherent color, PMMA is ideally suited for the interplay of light. Whether as a luminaire cover or as a light guide in displays and projection screens, molded parts made of PLEXIGLAS® special molding compounds are a proven solution for lighting applications. At K 2019, the Molding Compounds business unit of Röhm GmbH will present a new sample box with light-scattering PLEXIGLAS® molding compounds for lighting applications to an expert audience in Hall 6, Booth no. B30.

Wide range of applications

PLEXIGLAS® molding compounds can be used to produce both completely transparent covers with light-conducting structures and those that scatter light for a broad range of purposes. The material is also easy to process and retains its good optical properties for many years.

The new sample box focuses on light-scattering variants: These are various formulations from three product families of PLEXIGLAS® special molding compounds which cover the entire spectrum of scattering properties, from light to strong. The different grades allow the distance between the light and the light-scattering cover to be varied. With the strongly light-scattering variants it is possible to realize homogenous lighting without any visible differences in brightness, known as light hot spots, even at low installation depths.

Moreover, all PLEXIGLAS® molding compounds can be processed using both the injection molding and extrusion processes. The material can be delivered worldwide.



Darmstadt/Düsseldorf, Oct. 16, 2019

Press contact:

Thomas Kern
Global Communications
BU Molding Compounds

Kirschenallee
64293 Darmstadt
Germany

T +49 6151 18-3071
F +49 6151 18-843071
M +49 152 09392226
thomas.kern@roehm.com
www.roehm.com

Röhm GmbH
Dolivostr. 17
64293 Darmstadt
Germany
www.roehm.com

Management board
Dr. Michael Pack
Dr. Hans-Peter Hauck
Martin Krämer
Magdalena Wagner

The company is registered in Essen
Court of registration:
District Court Essen
Trade Register HRB 26282

...

About Röhm

Röhm is a worldwide manufacturer of PMMA products sold under the PLEXIGLAS® trademark on the European, Asian, African and Australian continents and under the ACRYLITE® trademark in the Americas.

With 3,900 employees, 15 production sites worldwide, and revenues of EUR 1.9 billion (2018 figures), Röhm is one of the world's leading manufacturers in the methacrylate business. The medium-sized company with branches in Germany, China, the USA, Russia, and South Africa has more than 80 years of experience in methacrylate chemistry and a strong technology platform. Our best-known brands include PLEXIGLAS®, ACRYLITE®, DEGALAN® and DEGAROUTE®.

More information is available at www.roehm.com