

## PRESS RELEASE

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# Light + Building: ALBIS presents solutions for LED light applications

**Hamburg, February 2.** ALBIS PLASTIC GmbH presents its line of plastic compounds for the lighting industry at the Light + Building 2016 in Frankfurt am Main.

From March 13<sup>th</sup> to 17<sup>th</sup> ALBIS, located in Hall 4.0, Booth D61, will present its own brand ALCOM<sup>®</sup> LB (Light Blocking), ALCOM<sup>®</sup> LD (Light Diffusion), ALCOM<sup>®</sup> LG (Light Guiding) and ALCOM<sup>®</sup> TC (Thermally Conductive) as well as TEDUR<sup>®</sup>.

With these products ALBIS offers interesting and custom-tailored solutions for LED lighting applications and economically efficient alternatives for plastic components. For example the products from the ALCOM<sup>®</sup> LB (Light Blocking) line ensure high light blocking properties while simultaneously providing a high degree of reflection to increase light output. ALCOM<sup>®</sup> LB PC 1000 14073 WT 1164-14, a highly reflective polycarbonate with a reflection rate of 95%, is not only perfect for PVD coated parts; its excellent flow properties and surface quality also make it particularly suitable for production of uncoated, thin-wall reflectors.

Moreover the ALCOM<sup>®</sup> LB line of products represents the ideal housing material for safety lights and emergency lighting systems due to their high flame retardancy and glow wire resistance.

ALCOM<sup>®</sup> TC (Thermally Conductive) has an improved thermal conductivity to increase the efficiency of LED's thus contributing to an increase in the service life of electronic components. With ALCOM<sup>®</sup> TCE-PC ALBIS has developed a thermally conductive polycarbonate for co-extrusion with transparent or light diffusing PC and a thermal conductivity, which is up to eight times higher than the one of PC, for improved thermal management of linear LED lighting applications. This special compound offers good adhesion to polycarbonate for cost-efficient production of co-extruded profiles.

Use of ALCOM<sup>®</sup> LD (Light Diffusion) products ensures homogeneous and efficient light distribution by avoiding annoying hot spots. Moreover the ALCOM<sup>®</sup> LD line also offers ALCOM<sup>®</sup> LDX versions, light diffusing compounds for extrusion of profiles for linear LED light strips and covers. The ALBIS

ALCOM® LDX line offers ready-to-use compounds with high translucence and optimum light scattering for homogeneous illumination.

"In addition to our plastic compounds, we also offer our customers light-scattering master batches for polycarbonate. These ALPERFORM® PC-LD and ALPERFORM® PC-LDX concentrates are used for injection molding and extrusion processes. In addition to cost efficiency, the advantages include high flexibility for individual adjustment of the light transmission and light scattering directly during processing", explained Joachim Bernhard, Director Marketing Electrical & Electronics at ALBIS PLASTIC.

## **ALBIS PLASTIC profile in brief**

ALBIS PLASTIC is one of the global operating companies in the distribution and compounding of technical thermoplastics. In addition to the product portfolio of well-known plastic manufacturers, ALBIS offers the plastic processing industry a diverse product range of high performance plastics, compound solutions and masterbatches. In the 2014 business year, the ALBIS Group, which has approximately 1024 employees, achieved sales of 876 million euros. With 19 foreign subsidiaries, the Hamburg-based company is represented in many European countries as well as in North Africa, the Far East and North America. ALBIS manufactures plastic compounds and masterbatches at three locations in Europe – Hamburg (Germany), Zülpich (Germany) and Manchester (United Kingdom), as well as in the production site at Changshu, China. For more information, please visit <http://www.albis.com>.

## **Enclosed picture material**



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