

Product lines of LUCOBIT AG High-performance materials for manifold applications

Wesseling, June 2007 - "New prospects for thermoplastic polyolefins" - this was the aim of LUCOBIT AG when they started off seven years ago as an independent company. Emerging from BASF and Shell, the company has in the meantime grown to become an independent manufacturer of ECB, PE and TPE materials and has taken a strong position in the European market. The product range, which has been expanded step by step, today encompasses a total of four product lines that are well-suited for a number of applications and offer a wide range of processing possibilities.

Lucobit® - Sealings and more

Lucobit® is the term for a DIN-standardised materials group based on polyethylene copolymers with varying quantities of bitumen. Owing to this special mixture, the advantages of both of the basic materials can be combined. Thus, Lucobit® is characterised by its toughness, its high biaxial ductility and optimum UV and temperature resistance. The main scope of application includes manufacture of sealing products and the modification of asphalt and poured asphalt. In addition, the use of Lucobit® has also been a success, among others, in the manufacture of films and injection moulding components as well as in films and coating. The range includes seven product formulations in Shore hardness values between A 76 and A 90.

Lucolit® - changing colours, unchanging quality

The Lucolit® product line includes dyed FPO materials based on polyolefins having a Shore hardness value of A 90. They are particularly resistant to tearing, are flexible and, in addition, highly weatherproof. The main areas of application are the production of roofing and waterproofing sheets, films as well as the production of profiles. Apart from this, Lucolit® is also processed into injection-moulded parts that later find use in the construction industry.

The standard Lucolit® range includes the colours grey, beige, blue, green and red. Besides the standard range of colours, tailor-made versions can be obtained on request.

Lucofin® - Natural resins and coloured compounds

The Lucofin® group includes untreated and dyed polymers based on PE copolymers. The injection moulding and extrusion grades are suited mainly for polymer modification or as a base polymer for compounds. Main application areas are manufacture of films, profile extrusion, extrusion coatings and impact strength modification. Colour qualities - the palette includes black, blue, red and green as well as various grey and white shades - and is used in construction applications, e.g. roofing membranes and swimming pool liners, as well as profiles and injection moulded components among others.

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Lucopren® - Highly flexible and environment-friendly

Lucopren® materials combine the advantages of elastomers and thermoplastic materials. They have excellent haptic and optical properties as well as a characteristic rubber-like nature. Available in Shore hardness values/grades between Shore A 80 and Shore A 30, Lucopren® is extremely suited for all kinds of injection moulding as well as the manufacture of profiles, polymer modification and linings and coatings. The standard range of products is available in natural colour; however, dyed colour combinations are also available on request.

An added advantage: Final products made from Lucopren® are 100% recyclable and therefore constitute a practical ecological alternative to PVC.

Taken together, LUCOBIT AG's four product lines offer around 40 different material types. The delivery range can be expanded on the basis of customer-specific solutions. In doing so, LUCOBIT's materials research department regularly develops products in accordance with special requirements and applications which are designed exclusively for the customer.

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