**COMPOUNDING OF LYPOLENE**

The main feature of compounding is a blending technology that enables the creation of precise formulations based on predefined specifications and individual customer product requirements. Material compositions for specific uses are adjusted by blending mineral fillers, additives or colour batches, the whole then being processed into high-grade PP compounds.

Comprehensive quality control – covering the process technology and further stages – of process parameters like formulation, temperature, pressure and flow characteristics ensures that the manufactured Lypolene PP is always of a consistently high quality.
**LYPOLENE PP**

TAB-IPM is a producer of top quality high-grade PP compounds from secondary materials. Since 2002, the company has been operating a plastic extrusion polypropylene (PP) process. The PP compounds, called Lypolene, produced at TAB-IPM are qualitatively on par with those produced from primary raw materials and excel in terms of cost effectiveness and flexibility of application. For applications requiring specific characteristics (physical, chemical and environmental ...), our R&D team is at your disposal to consider the possibilities of a compound that meets your requirements. In cooperation with our customers, we have developed a wide range of products to meet the more stringent requirements of various sectors - such as the automotive, industrial and construction industry.

**PRE-TREATMENT**

The starting materials for Lypolene PP are monofraction polypropylene chips obtained from the company's own pre-treatment of accumulator scrap and other PP materials, e.g. bottle caps. These are cleaned thoroughly in multiple stage cleaners, washers, grinders and dryers and then pneumatically transported to the raw material silos of the compounding plant.

**MAIN PROPERTIES OF LYPOLENE:**

- **Types:** PP, PP-T, PP/EPDM
- **Filling grade:** MINERAL COMPOUNDS 5 – 40%
- **MVR 230/2,16:** 3 – 20 cm³/10 min
- **Yield stress:** 30 MPa max
- **Impact strength of notched samples (Charpy):** 3 – 60 kJ/m²

Currently, approximately 20 different PP qualities are produced.

**TECHNOLOGY AND ENVIRONMENT**

TAB-IPM contributes substantially to the protection of the environment and resources by applying highly efficient technologies, consequently optimised processes and innovative products. The ecological and user-specific manufacturing of PP chips made from recycled materials and upgraded to high quality PP compounds is characteristic of the all-encompassing concept of TAB-IPM d.o.o. regarding operating with closed-circuit material recycling. Skilled personnel operate and supervise the environment-friendly and economical production. The certification as a company with an integrated management system for quality, energy efficiency, occupational safety and environmental protection stresses the pivotal role of performance and responsibility. Continuous investments underline the high standard.

**PRODUCTS & FIELDS OF APPLICATION**

**Products & Fields of Application:**

- Automotive Industry
- Battery Boxes
- Piping Industry
- Industry Applications

**Raw Material and Additives:**

- Double Screw Extruders
- Melt Filter
- Granulator
- Dryer
- Homogenisation
- Melt Filter

**Production of Lypolene:**

**Post Production**

**Post Consumer**

**Extruder**

**Selection Moulding Equipment**

**PP + EPDM Parts**

**Screws**

**Other PP Sources**

**PP Mill Feed**

**Mill Feed Equipment**

**Industry Applications**

**Battery Boxes**

**Piping Industry**

**Automotive Industry**

**Selection Moulding Equipment**

**Post Production**

**Post Consumer**