

2017

## Documenting of the experiment Plastics recycling

**OBJECTIVE:** The objective was to investigate the reuse potential of plastic parts extracted from the cars of Oili Jalonen Oy.

**EXECUTION:** Materials data in the Dolibar database were compared with the materials of the company.

**COOPERATION:** The project was carried out in cooperation with Oili Jalonen Oy.

**VARIABLES:** We looked for similarities between the database and the company's materials so that the materials could be utilized.

**EXPECTATIONS:** We expected to achieve a more efficient reuse of plastic auto parts and find new business partners.

**END RESULTS:** The experiment was successful and produced a good database. The plastic samples are still available for further studies.

**CONCLUSIONS:** Automotive manufacturers' data on plastic types is largely incorrect. Plastics contain a lot of additives, some of which are valuable. Through sorting, we could recover plastics that could be used to make new products without any preprocessing.

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