



06/2020

### **Carbon footprint Akylux-Akyplen-Akyboard.**

Hereunder some information concerning the equivalent amount of CO<sub>2</sub> released for the production of 1 ton of Akylux, Akyplen or Akyboard

- 1- The production of 1 ton of PP raw material by the supplier (Total, Basell etc..) generates an equivalent **2t of CO<sub>2</sub>**.
- 2- For the extrusion at our site in Kayzersberg, we take into account the electric power to extrude 1 ton of raw material. This value is multiplied by a factor which permits to determine the equivalent of CO<sub>2</sub>.

This calculation indicates an amount of **110 kg of CO<sub>2</sub>** released during the extrusion step.

Total (for Kayzersberg):

**2.11 tons of CO<sub>2</sub> per ton of Akylux, Akyplen or Akyboard extruded.**

The advantage of polypropylene is its recyclability. By recycling the material and using it in other productions, the carbon footprint is drastically reduced.

For example, by extrusion of 1 ton of PP containing **30% of recycling** material the amount of CO<sub>2</sub> released is **1.53 tons**

By extrusion of **100% recycled PP** the amount of CO<sub>2</sub> released is **0.18 tons**.

*This information is provided for general information only. The information contained in this document is based on data selected from our suppliers. To the best of our knowledge and at the time of publication, this information is true and accurate. It is the customer's responsibility to inspect and test our products in order to satisfy himself as to the suitability of the products for the customer's particular purpose. It shall, however, in no event be held to constitute or imply any warranty, undertaking express or implied commitment from our part.*