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Carbon footprint Akylux-Akyplen-Akyboard.

Hereunder some information concerning the equivalent amount of CO_2 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_2**.

2- For the extrusion at our site in Kaysersberg, 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_2.

This calculation indicates an amount of **110 kg of CO_2** released during the extrusion step.

Total (for Kaysersberg):

2.11 tons of CO_2 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_2 released is **1.53 tons**
By extrusion of **100% recycled PP** the amount of CO_2 released is **0.18 tons**.