**COLLECTION**

Window frames are one of the main sources of PVC waste collected for recycling. At the recycling facility, frames are cut into separate 1.50m long pieces.

**SORTING**

A magnetic separator removes the ferrous parts. Non-ferrous parts are ejected from the conveyor belt thanks to a magnetic repulsion force.

PVC frames are then shredded into 1 to 5 cm pieces.
ASPIRATION
Dust and other contaminating particles are removed through aspiration.

PVC WINDOWS
SHREDDING & WASHING

SHREDDING
PVC is further shredded into smaller fragments.

WASHING & FLOTATION
Shredded fragments are washed with water, enabling PVC separation. Rubber and wood float while PVC remains at the bottom.
STORAGE
PVC is stored in a homogenizing silo to ensure that the input material is uniform.

FILTRATION
PVC particles are heated up to a temperature of 180°C. They pass through a mesh that retains any remaining contamination from the extruded recyclate.

EXTRUSION
PVC is extruded into granulates.
Recycled and virgin PVC are co-extruded to form a new profile. 

**DID YOU KNOW?**

Inner part of a new frame consists of recycled PVC, while the outer layer is made of virgin PVC.