

Information sheet

Recycling of PA66 GF insulating profiles

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Technoform Bautech is an environmentally concerned company and our German subsidiary is already certified according to ISO 14001. We always aim to find the best balance between environmental aspects and product requirements. For this reason re-use of our own material in-house is a tried and tested practice. We use almost 100% of our production waste as internal re-ground material or regranulate and apply it in our production.

Pre-consumer and post-industrial waste-in-house

In our extrusion process we can use in-house recycled material up to a level of 15% while staying in range with our product specifications. Indiscriminate admixture of (or pure use of) returned material may not always be advisable as the mechanical properties and processability of recycled material diminish with every application, preparation and re-use. Technoform Bautech offers its customers to return profiles not required – provided they were supplied by us – for re-use in the extrusion process. Therefore, the profiles have to be in an appropriate condition.

Post-consumer waste from the aluminum window industry

The recycling of aluminum windows is becoming a predominant topic of window associations worldwide. Technoform Bautech is member of the German initiative Aluminium und Umwelt im Fenster- und Fassadenbau – A/U/F (Aluminum and environment in window and cladding construction – A/U/F). Their aim is the return of construction elements into the supply chain to produce new building components after renovation, dismantling or demolition of buildings. Currently there is no supply chain mechanism for returning insulating strips. We will closely investigate the use of these materials in collaboration with this initiative.

Supply of material-recycled polyamide 66

Material recycled polyamide 66 is widely in supply on the market, but often not available in high enough quantity and quality. Unspecified material from unsuitable sources is not used at Technoform due to the inherent risks. Wherever recycled material is blended, clear evidence of origin and prior damage must be recorded in comprehensive and a complete quality assurance documentation by the raw material suppliers is required.

Supply of chemically-recycled polyamide 66

Chemically recycled polyamide 66, which has the same quality as new material is not available on the market due to the high effort in the recycling process.

REACH-conformity:

When recycled material is used, regardless of origin, there is consistently the danger of contamination with materials which are not legal, or which are harmful for re-use.

Pre-consumer and post-industrial material: There is no danger of contamination for our in-house recycled material (also stated in TBGroup-Do-TP1-12 Version 2_05.2018).

Post-consumer material: Conformity shall be established related to the coming rules out of the A/U/F initiative.

Supply of material-recycled polyamide 66: REACH conformity must be ensured referring to respective material specifications with suitable suppliers and appropriate quality documentation.

We gladly offer our support should you have specific questions or problems.