

MDF / PVC Resource Investigation

The Project:

Link2Energy Ltd ("L2E") are carrying out an investigation on behalf of a client in the North of England, seeking added-value uses for an industrial byproduct.

The material in question is a mix of MDF dust and wiry PVC strands / spirals resulting from the trimming, shaping and routing of wooden panels for kitchen furniture (extracted in a controlled environment). In total, the annual volume of this resource amounts to approximately three hundred tonnes.

The images and information provide a representative summary of the nature of the material:



The MDF panels used for the production of the furniture units have a thin veneer of PVC for colour and protection.



In its ex-works state, the material is an MDF-heavy mix of MDF dust and thin PVC turnings. Compositional analysis shows that the MDF accounts for around 83% of the weight.

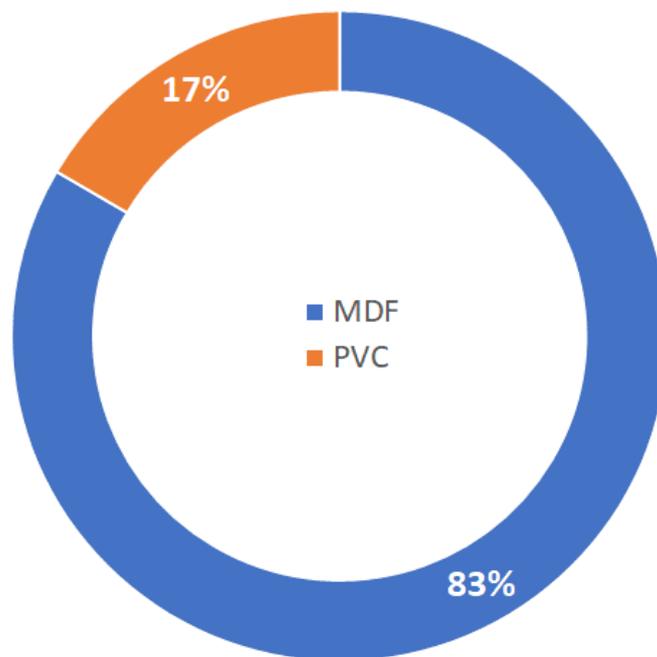


Separation of the two fractions is possible with a suitable sieve. The dust in the image here was screened using a standard kitchen sieve and it can be seen that some PVC managed to get through, though this can be resolved by double-sieving or by using a finer grade of mesh.



This image shows the sieved PVC material, which inevitably still has a small degree of MDF contamination.

Material Weight Compositional Analysis



If you think this byproduct might be of interest and appropriate for your company's own processes, then please let me know using the contact details below. I can also arrange for benchscale samples of the material to be sent to you for assessment if required.

Thank you.

Contact details:

Name: Andrew Gadd
E-mail: andrew@link2energy.co.uk
Mobile: 07515 053650