

Mixed Polymers

re:sourcing UK

Resource Innovation Case Study

The Problem

Although plastics are typically regarded as a highly recyclable resource, it is not uncommon for volumes of plastic to still end up in the General Waste stream. This may be due to contamination or because there are a mix of polymers present.

One company had over 1,000 tonnes per annum of a mixed-polymer flake, the by-product from a float-separation process. The material consisted of small pieces of plastic such as PET, ABS and PVC. Given that plastic recyclers are frequently prescriptive in their accepted material, the company was struggling to find any alternative outlets other than disposal to landfill.

The Solution

The approach adopted by Re:Sourcing UK was to engage with 80 companies and 15 Universities, sending information and samples on the Client's behalf and maintaining their confidentiality. Companies who received a sample included specialist recyclers handling and separating car residue plastics as well as organisations involved in energy-from-waste, plastic-to-diesel or producers of eco-boarding and drainage media.

The outcome for the Client was a comprehensive report, compiling all of the feedback, a directory of new contacts and at least 20 positive responses from organisations who were able to help with recycling this material.

Re:Sourcing UK is a practical service delivered by Link2Energy Ltd. At the forefront of developing creative solutions for companies with bulk industrial waste, Re:Sourcing UK solves problems through the application of Industrial Symbiosis and Resource Innovation.



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