

ENVIRONMENTAL STATEMENT - Recycologic Recycling Bins

Manufacture - Recycled material IN

Recycled content of materials used to make Recycologic bins is between 65 and 75% by weight.
Recycologic fabricate products using recycled materials wherever possible.

Plastic components: made using ABS with a minimum recycled content of 95%.

Stainless steel: manufactured using 65-80% scrap material.

Silicone and rubber components: do not use recycled material but make up a very small proportion of the product.

Packaging: is made using recycled material 85-90% by weight.

Recycologic products are designed for long life-span to minimise environmental impact through repeat purchasing. Products are designed so that any parts that may eventually wear out, are easily replaced using spares provided by Recycologic. We do not make 'throw-away' products.

End of use - Recycled material OUT

At end of use the recyclable content of materials used to make Recycologic bins is around 98% by weight.

Plastic components

Plastic components are made from ABS plastic (acrylonitrile butadiene styrene) and may be disposed of in a variety of ways:-

Recycling

Recycologic do not use FR grade ABS (fire resistant grade commonly used for computer housings) which means that at the end of use it may once again be recycled - group 7 plastics. Only pure ABS waste may be recycled to make new ABS but ABS waste may also be mixed with other post consumer plastics waste and converted into chemical and petrochemical raw materials which can be used again for the manufacture of new plastics or of other products.

Energy Recovery

Incineration must be done according to local regulations. ABS yields roughly 10kWh/Kg which is approximately (quite a valuable fuel giving approximately 70% more energy per Kg than than dry wood).

Complete combustion gives CO₂, water and nitrogen, the nitrogen being oxidized to a limited extent to give nitrogen oxides. This recycling in the form of energy protects the environment and saves fossil fuels.

Waste disposal

If recycling is not possible, ABS can normally be landfilled. In Germany, ABS wastes are classified under Waste Code No. 57129 (other solidified plastic wastes). Under the German waste monitoring regulations, solidified plastic wastes of this type do not require any special disposal measures. As far as we are able to determine, this type of ABS waste is inert in landfill. This grade of ABS is classified as presenting no threat to ground water.

Metal components

All metal parts should be recycled. If there is the possibility to separate metal into different types, small components such as the hinges, screws and magnetic catches should go into steel recycling, and sheet metal into 304 grade stainless steel.

Rubber components

Neoprene bag holders

If recycling is not practicable, dispose of in compliance with local regulations. Can be landfilled or incinerated, when in compliance with local regulations. Incinerate only in incinerators capable of scrubbing out acidic combustion products.

Silicone panel door in-fill strip

If recycling is not practicable, dispose of in compliance with local regulations. Can be landfilled as material is inert.

Packaging

Cardboard and plastic packaging should be recycled. Dispose of polystyrene (used only in mail order boxes) according to local regulations.

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